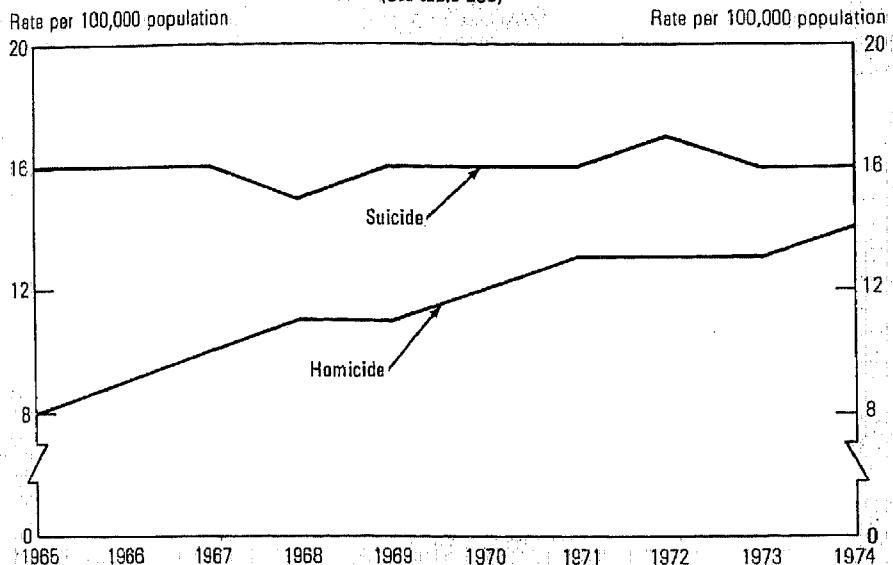


**Fig. 5-1. HOMICIDE AND SUICIDE RATES: 1965 to 1974**

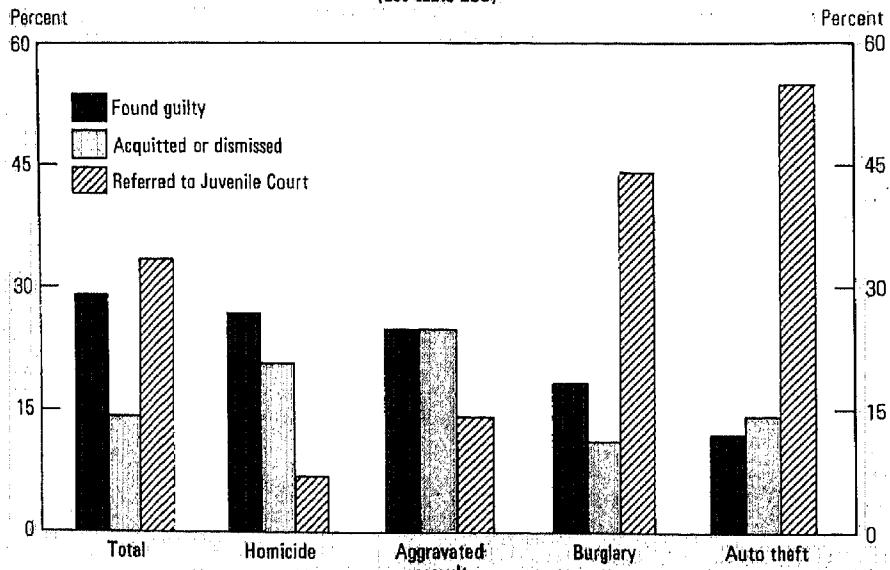
(See table 260)



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. National Center for Health Statistics.

**Fig. 5-2. PERSONS CHARGED WITH CRIMES AND OUTCOME OF CHARGES: 1974**

(See table 299)



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Federal Bureau of Investigation.

## Section 5

### Law Enforcement, Federal Courts, and Prisons

This section presents data on crimes, arrests, law enforcement employment and expenditures, Federal court cases, the legal profession, Federal and State prisoners, juvenile delinquency, and use of the death penalty. A major source of data on these subjects is the Law Enforcement Assistance Administration (LEAA) which is the sponsor of the National Crime Panel, a continuing sample survey of households and commercial establishments conducted by the Bureau of the Census. Data based on this survey as reported in *Criminal Victimization in the United States* show the extent to which persons, households, and businesses have been victimized by certain types of crime. Other reports issued by LEAA are *National Prisoner Statistics*, *Children in Custody*, and the annual *Expenditure and Employment Data for the Criminal Justice System*, issued jointly with the Bureau of the Census. For a more detailed list of LEAA reports, see "Law Enforcement, Federal Courts, and Prisons" in Appendix IV of this book.

Other major sources of data on these subjects are: *Uniform Crime Reports for the United States*, issued annually by the Federal Bureau of Investigation; the *Annual Report of the Director and Special Reports on Federal Offenders and Persons Under the Supervision of the Federal Probation System*, issued by the Administrative Office of the U.S. Courts; and *Governmental Finances and Public Employment*, issued annually by the Bureau of the Census. Statistics on lawyers are compiled by the American Bar Foundation, Chicago, Illinois, and on law firms by the Bureau of the Census.

**Law enforcement and legal jurisdiction.**—Law enforcement is for the most part a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Consequently, criminal offenses such as murder, robbery, burglary, theft, assault, and rape are violations of State laws unless they involve Federal property or a Federal officer while engaged in his official duties, or unless they occur in Federal territories or reservations or on the high seas. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. Yet the system of law enforcement is quite similar among the States, although there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts. The first, covering investigation of crimes and arrest of persons suspected of committing them, involves municipal, county, and State police; sheriffs, constables, marshals, and Federal agents; and many kinds of special officers. The second phase is prosecution of those charged with crime to determine whether they are guilty. The agencies concerned include courts; justices of the peace; municipal, State, and Federal grand juries; and prosecuting court officers. The third is concerned with punishment or treatment of persons convicted of crime. While the courts usually determine the sentence after conviction, the penalty is enforced by the detention facility, or by probation or parole officials.

**Crime.**—The Federal Bureau of Investigation, through its Uniform Crime Reporting Program, receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 94 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of offenses

that become known to them in the following seven crime categories—murder and nonnegligent manslaughter, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. These categories are the basis of the FBI's Crime Index, a measure of the extent, fluctuation, and distribution of serious crime in the United States. Monthly reports also contain data on the number of these crimes cleared by arrest and on the number of persons arrested for all criminal offenses, by age, sex, and race of the offender. Annual reports provide an accounting of the number of persons formally charged and their disposition. In summarizing and publishing crime data, the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

**Courts.**—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census from 1932 to 1945 covering a maximum of 32 States. In 1973, the Law Enforcement Assistance Administration issued *National Survey of Court Organization*, which documents the organization of courts in the 50 States and the District of Columbia as of January 1972; and in 1975, it issued *National Survey of Court Organization: 1975 Supplement to State Judicial Systems*.

Comprehensive information on the business of the Federal courts is collected by the Administrative Office of the U.S. Courts and is published in the *Annual Report of the Director, Court Management Statistics*, and in *Juror Utilization in United States Courts*. The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by these courts. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; all matters and proceedings in bankruptcy.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Canal Zone, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 11, known as U.S. courts of appeals. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

**Prisoners.**—Statistics of prisoners committed to penal institutions have been collected and published for a longer period of time than have other criminal statistics. Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950. This work was transferred to the Federal Bureau of Prisons in 1950 and to the Law Enforcement Assistance Administration in 1971. Summary statistics covering persons received and discharged from State prisons and reformatories and from Federal prisons and persons executed in the United States under civilian authority are now published periodically by the Law Enforcement Assistance Administration in *National Prisoner Statistics*. The Federal Bureau of Prisons, in its annual *Statistical Report*, publishes summary statistics on the characteristics of individuals confined during the year. Also, nearly every State publishes annual data either for its whole prison system or for each separate State institution.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See preface.

## No. 252. CRIMES AND CRIME RATES, BY TYPE: 1960 TO 1975

[Data refer to offenses known to the police. Rates are based on Bureau of the Census population data, excluding Armed Forces abroad. For definitions of crimes, see footnotes, table 253. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series H 952-961]

ITEM AND YEAR	Total	VIOLENT CRIME				PROPERTY CRIME				
		Total	Murder <sup>1</sup>	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny-theft	Motor vehicle theft
<b>Number of offenses:</b>										
1960	1,000	3,384	288	9.1	17.2	108	154	3,096	912	1,855
1965	1,000	4,739	387	10.0	28.4	130	215	4,352	1,283	2,573
1968	1,000	6,720	595	13.8	31.7	263	287	6,125	1,859	3,483
1969	1,000	7,410	662	14.8	37.2	299	311	6,749	1,982	3,889
1970	1,000	8,098	739	16.0	38.0	350	335	7,359	2,205	4,226
1971	1,000	8,588	817	17.8	42.3	388	369	7,772	2,399	4,424
1972	1,000	8,249	865	18.7	46.9	376	393	7,414	2,376	4,151
1973	1,000	8,718	876	19.6	51.4	384	421	7,842	2,566	4,348
1974	1,000	10,258	975	20.7	55.4	442	456	9,279	3,039	5,263
1975	1,000	11,257	1,026	20.5	56.1	465	485	10,230	3,252	5,978
Avg. annual percent increase:										
1960-1970	9	10	5.9	8.5	13	8	9	9	9	11
1970-1974	6	7	6.7	9.9	6	8	6	9	6	1
1974-1975	10	5	-1.0	1.3	5	6	10	7	14	2
<b>Rate per 100,000 inhabitants:</b>										
1960	1,887	161	5.1	9.6	80	86	1,726	509	1,035	183
1965	2,449	200	5.1	12.1	72	111	2,249	683	1,329	257
1968	3,370	298	6.9	15.8	132	144	3,072	932	1,747	393
1969	3,680	329	7.3	18.5	148	155	3,351	984	1,931	436
1970	3,985	364	7.9	18.7	172	165	3,621	1,085	2,079	457
1971	4,185	396	8.6	20.5	188	179	3,789	1,164	2,146	460
1972	3,961	401	9.0	22.5	181	189	3,580	1,141	1,994	426
1973	4,154	417	9.4	24.5	183	201	3,737	1,223	2,072	443
1974	4,850	461	9.8	26.2	209	216	4,389	1,438	2,490	462
1975	5,282	482	9.6	26.8	218	227	4,800	1,526	2,805	469
Avg. annual percent increase:										
1960-1970	8	9	4.0	7.1	12	7	8	8	7	10
1970-1974	5	6	5.6	8.8	5	7	5	8	5	(2)
1974-1975	9	4	-2.0	0.4	4	5	9	6	13	2

Z Less than 0.5 percent. <sup>1</sup> Includes non-negligent manslaughter.

## No. 253. CRIMES KNOWN TO THE POLICE, BY TYPE AND AREA: 1974 AND 1975

[In thousands, except rate. Estimated totals based on reports from city and rural law enforcement agencies representing 95 percent of the national population. Covers crimes constituting "FBI Crime Index"; see text, p. 152]

TYPE OF CRIME	1974						1975					
	SMSA's <sup>1</sup>		Other cities		Rural areas		SMSA's <sup>1</sup>		Other cities		Rural areas	
	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>
<b>Total</b>	8,663	5,622	934	4,027	596	1,747	9,641	6,111	1,051	4,437	665	1,997
<b>Violent crime</b>	860	558	58	249	52	151	907	581	64	269	56	167
Murder and nonnegligent manslaughter <sup>3</sup>	17	11	1	6	3	8	16	11	1	6	3	8
Forcible rape <sup>4</sup>	48	31	3	18	4	12	49	31	3	18	4	12
Robbery <sup>5</sup>	422	274	13	54	7	20	443	284	14	58	8	23
Aggravated assault <sup>6</sup>	374	243	41	178	33	112	398	255	46	192	41	124
<b>Property crime</b>	7,802	5,063	876	3,778	544	1,595	8,634	5,530	987	4,168	610	1,830
Burglary <sup>7</sup>	2,547	1,653	238	1,025	236	693	2,729	1,748	261	1,103	262	786
Larceny-theft <sup>8</sup>	4,362	2,831	590	2,544	276	808	4,989	3,196	675	2,849	314	942
Motor vehicle theft <sup>9</sup>	898	580	49	210	32	94	915	586	51	216	34	102

<sup>1</sup> For definition of standard metropolitan statistical areas, see text, Appendix L. <sup>2</sup> Rate per 100,000 population based on Bureau of the Census estimated population as of July 1, excluding Armed Forces abroad. <sup>3</sup> All willful felonious homicides. Excludes attempts to kill, assaults to kill, suicides, accidental deaths, or justifiable homicides, and deaths caused by negligence. <sup>4</sup> Limited to forcible rapes and attempts. <sup>5</sup> Includes the stealing or taking of anything of value by force or violence or by threat of force or violence; includes attempted robbery. <sup>6</sup> Includes assault with intent to kill. Excludes simple assault, assault and battery, fighting, etc. <sup>7</sup> Includes any unlawful entry to commit a felony or a theft. Includes attempted burglary and burglary followed by larceny. <sup>8</sup> Includes theft of property or articles of value (except auto theft) without the use of force and violence or fraud. Excludes larceny resulting from burglary, embezzlement, "con" games, forgery, worthless checks, etc. <sup>9</sup> Excludes all cases where motor vehicles are driven away and abandoned. Excludes those taken for temporary use when actually returned by the taker.

## No. 254. CRIME RATES, BY TYPE—STATES: 1974 AND 1975

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated population as of July 1, excluding Armed Forces abroad. For definitions of crimes, see footnotes, table 253]

STATE	MURDER AND NON- NEGLECTIVE MAN- SLAUGHTER	FORCIBLE RAPE		ROBBERY		AGGRA- VATED ASSAULT		BURGLARY— BREAKING OR ENTERING		LARCENY— THEFT		MOTOR VEHICLE THEFT		
	1974	1975	1974	1975	1974	1975	1974	1975	1974	1975	1974	1975	1974	1975
U.S. <sup>1</sup>	9.8	9.6	26.2	26.8	209.3	218.2	216	227	1,438	1,526	2,489	2,805	462	469
N.E.	3.8	3.7	12.7	15.2	136.5	154.8	133	158	1,392	1,530	2,133	2,416	904	1,016
Maine	2.9	2.8	8.7	10.4	27.9	36.4	98	170	1,319	1,361	1,946	2,168	198	211
N.H.	3.5	2.9	8.4	8.7	25.0	28.9	54	59	820	853	1,973	2,136	269	258
Vt.	3.4	2.1	12.3	14.6	13.8	15.7	46	68	1,019	1,100	1,807	2,112	174	174
Mass.	4.4	4.2	16.6	19.2	212.4	227.0	166	192	1,560	1,712	2,079	2,352	1,366	1,571
R.I.	3.8	3.0	7.4	10.9	91.0	95.9	181	192	1,296	1,446	2,612	2,878	923	1,017
Conn.	3.3	3.9	11.2	12.4	92.8	131.5	121	121	1,364	1,513	2,275	2,604	550	572
M.A.	8.6	8.9	23.6	22.9	325.1	348.1	211	222	1,305	1,421	1,973	2,256	506	534
N.Y.	10.6	11.0	28.0	28.0	470.3	516.0	284	301	1,501	1,667	2,165	2,471	575	642
N.J.	6.8	6.8	10.7	18.9	216.6	222.6	160	165	1,429	1,521	2,392	2,672	547	533
Pa.	6.7	6.8	17.8	17.4	159.5	168.6	131	138	928	983	1,455	1,670	376	367
E.N.C.	9.8	9.1	26.4	26.5	235.6	240.4	195	194	1,333	1,389	2,677	3,024	468	473
Ohio	8.9	8.1	23.9	25.3	191.2	220.0	140	155	1,172	1,271	2,285	2,809	402	426
Ind.	8.0	8.5	28.5	24.3	134.4	156.8	127	143	1,255	1,376	2,396	2,814	393	388
Ill.	11.8	10.6	27.7	25.7	313.4	276.2	274	237	1,264	1,291	2,761	3,080	531	511
Mich.	13.0	11.9	37.1	38.1	337.2	353.1	272	288	1,904	1,892	3,332	3,573	625	650
Wis.	3.0	3.3	11.3	10.6	66.3	73.4	60	64	837	919	2,418	2,665	246	240
W.N.C.	5.2	5.5	18.7	18.4	119.3	126.2	125	136	1,105	1,157	2,274	2,633	317	328
Minn.	3.0	3.3	17.7	18.6	104.1	103.6	82	81	1,122	1,193	2,228	2,516	374	382
Iowa	1.9	2.5	10.1	10.8	48.7	53.5	60	74	791	810	2,282	2,720	219	230
Mo.	9.8	10.6	26.9	25.2	216.7	244.7	199	213	1,471	1,513	2,437	2,925	427	467
N. Dak.	1.4	8	7.8	5.8	12.9	14.3	28	32	433	539	1,545	1,614	132	131
S. Dak.	2.1	3.7	10.7	16.5	20.4	31.0	148	164	897	668	1,735	1,898	157	168
Nebr.	3.6	4.3	18.9	19.2	91.0	90.4	126	144	774	760	2,053	2,365	278	231
Kans.	6.9	5.4	19.7	17.2	107.8	92.8	142	163	1,269	1,370	2,517	2,863	239	236
S.A. <sup>1</sup>	19.8	12.9	27.6	27.3	210.7	202.9	288	306	1,535	1,610	2,534	2,880	364	339
Del.	10.3	7.3	17.3	18.1	127.9	157.2	288	209	1,518	1,826	3,460	3,927	529	523
Md.	11.7	10.7	29.8	31.5	360.6	344.2	317	323	1,403	1,413	2,945	3,268	583	517
Va.	10.6	11.5	25.9	24.0	127.4	138.5	193	207	1,141	1,166	2,409	2,731	281	269
W. Va.	6.0	7.4	10.0	9.3	35.2	45.6	36	100	552	591	963	1,229	127	128
N.C.	11.7	12.4	15.5	16.2	92.3	82.2	369	326	1,187	1,285	1,647	1,909	185	186
S.C.	16.2	14.7	26.2	26.5	127.4	110.9	286	359	1,562	1,714	1,865	2,156	282	260
Ga.	17.8	14.4	27.1	25.4	176.5	166.5	221	253	1,462	1,581	1,661	2,249	347	338
Fla.	14.7	13.5	38.0	35.7	275.2	239.7	352	400	2,287	2,350	3,940	4,240	483	443
E.S.C.	13.0	12.7	21.4	20.2	106.5	119.7	195	196	1,038	1,114	1,383	1,747	256	273
Ky.	10.3	10.2	17.6	15.4	92.3	103.2	114	135	830	963	1,487	1,774	229	263
Tenn.	13.4	11.4	25.7	26.1	157.2	166.8	190	193	1,360	1,379	1,576	2,130	347	365
Ala.	15.0	16.0	22.7	20.4	99.6	123.0	236	234	1,058	1,104	1,305	1,646	261	270
Miss.	12.0	13.9	17.4	16.5	48.0	54.6	257	231	766	784	1,035	1,181	124	129
W.S.C.	13.2	12.4	27.2	26.9	143.7	144.7	199	207	1,394	1,491	2,243	2,644	350	351
Ark.	11.2	10.1	23.3	25.9	80.7	87.6	200	225	1,075	1,077	1,745	1,947	164	168
La.	16.0	12.6	26.2	25.7	156.3	163.1	275	289	1,046	1,115	1,956	2,192	342	339
Okla.	8.1	9.4	25.0	27.2	83.5	90.2	163	177	1,465	1,552	1,999	2,375	382	348
Texas	13.7	13.4	28.9	28.0	164.0	164.1	184	185	1,543	1,660	2,472	2,964	382	387
Mt.	7.4	7.9	30.8	32.6	139.5	137.1	222	245	1,734	1,805	3,459	3,718	444	405
Mont.	4.2	5.2	12.2	14.3	35.6	41.4	110	129	888	875	2,750	2,815	283	309
Idaho	5.6	5.2	16.0	16.1	37.9	42.0	124	140	1,002	1,063	2,683	2,661	214	223
Wyo.	5.0	10.2	15.3	17.1	42.6	49.5	82	128	827	868	2,464	2,811	214	278
Colo.	8.0	7.4	30.5	41.5	165.7	174.1	222	240	1,843	2,001	3,354	3,744	539	467
N. Mex.	11.3	13.3	34.8	41.0	124.6	126.7	280	354	1,583	1,729	2,873	3,269	308	317
Ariz.	9.6	8.6	37.5	35.5	204.2	170.0	316	334	2,534	2,630	4,519	4,748	602	516
Utah	3.2	2.7	22.3	20.9	75.8	79.0	113	129	1,133	1,188	3,273	3,373	330	320
Nev.	14.8	13.0	45.2	47.1	277.8	302.5	345	316	2,453	2,447	4,086	4,517	606	510
Pac.	8.6	9.4	38.2	39.3	219.6	243.6	277	298	1,996	2,106	3,524	3,705	594	585
Wash.	5.1	5.7	29.0	32.7	115.5	124.0	197	228	1,772	1,723	3,485	3,642	406	385
Oreg.	6.6	6.2	32.3	32.6	130.8	180.3	199	269	1,843	1,912	3,665	3,938	469	466
Calif.	9.5	10.4	40.6	41.6	252.7	282.4	308	321	2,072	2,217	3,525	3,704	639	628
Alaska	13.6	12.2	49.3	44.6	88.4	129.5	302	363	1,167	1,214	2,972	3,522	648	620
Hawaii	8.3	7.7	26.1	24.7	121.6	127.6	52	58	1,785	1,827	3,493	3,458	586	524

<sup>1</sup> Includes District of Columbia, not shown separately.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, annual.

# Crime Rates

155

## No. 255. CRIME RATES FOR VIOLENT CRIMES IN CITIES, BY SIZE GROUP AND FOR SELECTED CITIES: 1965 TO 1975

**Offenses known to the police per 100,000 population.** For definitions of violent crimes, see footnotes, table 253.  
 Rates based on Bureau of the Census population estimates as of July 1 of each year. Minus sign (–) denotes decrease]

ITEM	1965	1969	1970	1971	1972	1973	1974	1975	ANNUAL PERCENT CHANGE		
									1965-1969	1970-1974	1974-1975
Cities with population of—											
250,000 or more	410	860	980	1,048	999	1,003	1,108	1,159	20.5	3.8	4.6
100,000-249,999	242	350	450	503	502	545	600	632	10.4	7.6	5.8
50,000-99,999	145	232	274	300	322	372	406	451	12.5	10.4	11.1
25,000-49,999	113	174	214	243	267	295	331	343	11.5	11.4	3.8
10,000-24,999	93	136	159	188	200	221	256	268	9.0	12.0	7.2
Under 10,000	81	109	141	171	204	199	218	232	7.9	11.8	6.3
Selected cities:											
New York, N.Y.	345	1,129	1,381	1,611	1,525	1,483	1,615	1,781	37.0	4.4	10.3
Chicago, Ill.	760	1,025	1,101	1,122	1,104	1,168	1,282	1,180	7.9	4.0	-8.0
Los Angeles, Calif.	686	997	1,062	1,108	1,128	1,064	1,069	1,114	10.0	0.3	4.2
Philadelphia, Pa.	888	455	571	754	785	755	871	887	4.9	11.9	-0.4
Detroit, Mich.	614	1,487	1,934	1,915	1,650	1,681	2,004	2,121	25.1	1.4	5.8
Houston, Tex.	378	885	799	715	827	696	732	650	16.3	-1.7	-11.1
Baltimore, Md.	687	2,073	2,088	1,850	1,869	1,771	1,961	1,862	34.0	-1.2	-5.1
Dallas, Tex.	288	842	966	1,051	905	908	866	885	38.3	-2.0	2.2
Washington, D.C.	723	2,185	2,227	2,171	1,685	1,558	1,608	1,774	31.3	-7.4	10.7
Cleveland, Ohio	393	1,016	1,080	1,170	1,129	1,008	1,358	1,576	28.6	7.7	16.0
Indianapolis, Ind.	340	527	704	659	483	505	700	925	14.7	3.0	30.4
Milwaukee, Wis.	98	193	211	202	221	294	402	475	22.9	18.8	18.8
San Francisco, Calif.	541	1,429	1,359	1,478	1,144	1,197	1,135	1,364	28.3	-3.2	20.2
San Diego, Calif.	141	249	285	296	323	372	473	502	15.4	13.8	6.1
San Antonio, Tex.	272	437	497	490	510	587	624	549	13.0	6.0	-12.0

## No. 256. CRIME RATES, BY TYPE—POPULATION GROUPS AND SELECTED CITIES: 1975

**Offenses known to the police per 100,000 population.** For definitions of crimes, see footnotes, table 253. Population in 1975 as estimated by FBI]

ITEM	Total <sup>1</sup>	VIOLENT CRIME					PROPERTY CRIME				
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary-breaking or entering	Larceny-theft	Motor vehicle theft	
Total, 8,640 agencies	5,611	524	10.2	28	245	240	5,087	1,607	2,973	608	
Total, 6,599 cities	6,469	628	11.1	32	316	269	5,841	1,773	3,450	618	
58 cities, 250,000 or more	8,203	1,159	21.4	56	683	399	7,044	2,388	3,653	1,022	
109 cities, 100,000-249,999	7,099	632	10.9	35	283	303	7,068	2,177	4,203	688	
253 cities, 50,000-99,999	6,361	451	7.2	26	189	228	5,910	1,723	3,643	544	
538 cities, 25,000-49,999	5,591	343	5.7	19	130	180	5,248	1,418	3,401	430	
1,314 cities, 10,000-24,999	4,784	268	4.4	14	82	108	4,496	1,199	2,998	301	
4,327 cities, less than 10,000	4,118	232	3.9	12	49	167	3,881	1,038	2,684	210	
Suburbs, 3,692 agencies <sup>2</sup>	4,614	290	5.4	19	93	172	4,825	1,821	2,664	389	
Rural areas, 1,578 agencies	2,229	177	8.4	13	25	130	2,052	873	1,080	111	
Selected cities:											
New York, N.Y.	7,831	1,781	22.2	52.1	1,121	586	6,050	2,385	2,544	1,121	
Chicago, Ill.	7,487	1,180	26.0	52.6	704	397	6,308	1,502	3,748	1,063	
Los Angeles, Calif.	8,184	1,114	20.8	64.8	534	494	7,070	2,530	3,415	1,124	
Philadelphia, Pa.	4,471	867	23.0	38.0	553	254	3,604	1,194	1,575	835	
Detroit, Mich.	10,870	2,121	44.2	99.4	1,488	490	8,748	3,228	3,520	1,994	
Houston, Tex.	6,710	650	25.3	42.8	468	114	6,089	2,257	2,804	948	
Baltimore, Md.	8,148	1,862	30.0	53.6	1,048	730	6,287	1,827	3,580	880	
Dallas, Tex.	10,919	885	27.4	63.3	392	403	10,038	2,998	6,343	693	
Washington, D.C.	7,703	1,774	32.8	72.6	1,276	393	5,929	1,339	3,616	474	
Cleveland, Ohio	8,750	1,576	43.6	74.4	1,076	382	7,183	1,970	2,954	2,250	
Indianapolis, Ind.	8,326	925	18.9	69.7	614	222	7,401	2,450	4,126	825	
Milwaukee, Wis.	5,712	475	10.4	21.6	292	151	5,287	1,140	3,388	714	
San Francisco, Calif.	9,630	1,364	20.6	81.6	849	413	8,266	2,613	4,369	1,285	
San Diego, Calif.	7,808	502	8.3	29.8	286	178	7,306	2,037	4,560	710	
San Antonio, Tex.	7,678	549	17.0	35.8	225	271	7,124	2,671	3,916	587	

<sup>1</sup> Includes manslaughter by negligence, not shown separately.

<sup>2</sup> Agencies also included in other city groups.

**No. 257. VICTIMIZATION RATES OF CRIMES AGAINST PERSONS, BY RACE AND SEX OF VICTIM, AND RELATIONSHIP OF VICTIM AND OFFENDER, 1973 AND 1974, AND SELECTED CITIES, 1971-1972 AND 1974**

[Rates per 1,000 persons, 12 years old and over. Data are estimates subject to sampling errors]

RACE, SEX, VICTIM-OFFENDER RELATIONSHIP, AND CITY, BY YEAR	Total <sup>1</sup>	Rape <sup>2</sup>	ROBBERY <sup>2</sup>		ASSAULT <sup>2</sup>		Personal larceny <sup>2</sup>
			With injury	Without injury	Aggravated	Simple	
1973							
Total <sup>3</sup>	32	1	2	4	10	15	91
White	31	1	2	4	9	15	92
Negro	41	1	5	8	16	11	83
Male <sup>3</sup>	44	(B)	3	7	15	10	103
White	43	(B)	3	6	14	20	104
Negro	53	(B)	7	12	23	11	97
Female <sup>3</sup>	22	2	1	2	5	11	80
White	20	2	1	2	5	11	82
Negro	32	3	3	5	10	12	70
Relationship of victim and offender:							
Stranger	21	1	2	4	6	9	(NA)
Nonstranger	11	(Z)	(Z)	1	4	6	(NA)
1974							
Total <sup>3</sup>	33	1	2	5	10	14	95
White	32	1	2	4	10	15	96
Negro	40	2	5	10	13	10	84
Male <sup>3</sup>	45	(B)	3	7	16	19	109
White	44	(B)	3	6	16	19	110
Negro	54	(B)	8	14	19	13	104
Female <sup>3</sup>	22	2	1	3	5	10	82
White	20	2	1	2	5	10	84
Negro	20	4	3	6	8	8	67
Relationship of victim and offender:							
Stranger	22	1	2	4	7	8	(NA)
Nonstranger	11	(Z)	(Z)	1	4	6	(NA)
CITY AND YEAR							
Atlanta, Ga.: 1971-72 <sup>4</sup>	48	2	4	12	15	15	100
	1974	44	2	4	13	12	93
Baltimore, Md.: 1971-72 <sup>4</sup>	56	1	8	18	18	15	79
	1974	78	2	11	24	21	105
Chicago, Ill.: 1971-72 <sup>4</sup>	56	3	7	20	12	14	87
	1974	61	2	7	22	16	91
Cleveland, Ohio: 1971-72 <sup>4</sup>	54	2	6	18	15	13	71
	1974	67	2	8	19	20	85
Dallas, Tex.: 1971-72 <sup>4</sup>	43	2	3	8	14	17	97
	1974	48	2	3	9	17	116
Denver, Colo.: 1971-72 <sup>4</sup>	67	3	6	12	20	27	184
	1974	71	3	6	13	28	184
Detroit, Mich.: 1971-72 <sup>4</sup>	88	3	8	25	18	15	95
	1974	77	2	9	28	21	91
Los Angeles, Calif.: 1971-72 <sup>4</sup>	53	2	5	11	15	19	105
	1974	59	2	5	13	17	119
New York, N.Y.: 1971-72 <sup>4</sup>	36	1	5	19	4	6	51
	1974	43	1	6	18	9	65
Newark, N.J.: 1971-72 <sup>4</sup>	42	1	9	20	6	6	50
	1974	38	2	7	16	8	45
Philadelphia, Pa.: 1971-72 <sup>4</sup>	63	1	8	20	17	17	95
	1974	40	1	6	15	13	85
Portland, Oreg.: 1971-72 <sup>4</sup>	59	3	5	11	16	24	123
	1974	71	4	6	10	22	30
St. Louis, Mo.: 1971-72 <sup>4</sup>	42	1	5	11	13	12	73
	1974	48	1	5	14	14	92

<sup>B</sup> Rate not shown because estimated number of victimizations too small to be statistically reliable. <sup>NA</sup> Not available. <sup>Z</sup> Less than 0.50. <sup>1</sup> Excludes personal larceny. <sup>2</sup> Includes attempts. <sup>3</sup>Includes races not shown separately. <sup>4</sup> For 12 months preceding surveys made in July-November 1972. <sup>5</sup> For 12 months preceding surveys made in first quarter of 1973.

Source: U.S. Law Enforcement Assistance Administration, *Criminal Victimization in the United States: 1973 vs. 1971; Criminal Victimization Surveys in Eight American Cities: 1971-72 vs. 1974*, and *Criminal Victimization Surveys in the Nation's Five Largest Cities: 1972 vs. 1974*.

# Crime Victimization Rates

157

## No. 258. VICTIMIZATION RATES OF CRIMES AGAINST HOUSEHOLDS: 1973 AND 1974

**[Rates per 1,000 households.]** Based on samples of approximately 60,000 households, representing 70 million households in 1973 and 72 million in 1974. For discussion of sampling error, see source; for definitions of crimes, see footnotes, table 253.

HOUSEHOLD CHARACTERISTIC	BURGLARY			LARCENY			MOTOR VEHICLE THEFT		
	Total <sup>1</sup>	White	Negro	Total <sup>1</sup>	White	Negro	Total <sup>1</sup>	White	Negro
1973									
All households.....	91	87	132	107	107	103	19	18	24
Homeowner.....	76	78	122	100	98	119	15	14	24
Renter.....	118	114	130	110	120	91	26	27	25
<b>Households with income of—</b>									
Under \$7,500.....	99	94	123	101	101	102	14	14	15
\$7,500-\$14,999.....	70	74	143	113	114	102	23	21	42
\$15,000 and over.....	99	97	141	119	118	134	28	22	39
<b>Age of head:</b>									
20-34 years.....	122	(NA)	(NA)	146	(NA)	(NA)	28	(NA)	(NA)
35-49 years.....	90	(NA)	(NA)	126	(NA)	(NA)	21	(NA)	(NA)
50-64 years.....	70	(NA)	(NA)	84	(NA)	(NA)	16	(NA)	(NA)
65 years and over.....	55	(NA)	(NA)	47	(NA)	(NA)	5	(NA)	(NA)
1974									
All households.....	93	88	135	123	124	112	19	18	26
Homeowner.....	75	72	117	114	114	110	15	14	27
Renter.....	123	118	150	140	145	114	26	27	25
<b>Households with income of—</b>									
Under \$7,500.....	98	90	136	107	107	104	15	15	15
\$7,500-\$14,999.....	86	82	142	139	141	121	20	19	38
\$15,000 and over.....	100	99	139	137	136	157	28	21	67
<b>Age of head:</b>									
20-34 years.....	127	(NA)	(NA)	174	(NA)	(NA)	28	(NA)	(NA)
35-49 years.....	99	(NA)	(NA)	146	(NA)	(NA)	21	(NA)	(NA)
50-64 years.....	69	(NA)	(NA)	89	(NA)	(NA)	14	(NA)	(NA)
65 years and over.....	54	(NA)	(NA)	58	(NA)	(NA)	6	(NA)	(NA)

NA Not available. <sup>1</sup> Includes other races not shown separately.

Source: U.S. Law Enforcement Assistance Administration, *Criminal Victimization in the United States: 1973 vs. 1974*, April 1976.

## No. 259. HOUSEHOLD AND COMMERCIAL CRIME VICTIMIZATION RATES, BY TYPE OF VICTIMIZATION, SELECTED CITIES: 1971-1972 AND 1974

**[Rates per 1,000 households and per 1,000 establishments. For city coverage, see footnotes, table 257.]**

CITY	HOUSEHOLD				COMMERCIAL				
	Burglary <sup>1</sup>		Household larceny <sup>2</sup>		Motor vehicle theft <sup>2</sup>		Burglary <sup>1</sup>		
	1971-1972	1974	1971-1972	1974	1971-1972	1974	1971-1972	1974	
Atlanta, Ga.....	161	158	102	117	29	24	741	519	157
Baltimore, Md.....	116	118	100	124	35	42	578	465	135
Chicago, Ill.....	118	122	77	86	36	38	317	324	77
Cleveland, Ohio.....	124	137	80	106	76	73	367	354	77
Dallas, Tex.....	147	101	147	178	24	23	355	424	48
Denver, Colo.....	158	166	168	187	44	40	443	435	54
Detroit, Mich.....	174	154	106	107	49	70	615	640	179
Los Angeles, Calif.....	148	149	131	145	42	37	311	306	47
New York, N.Y.....	68	77	33	46	26	28	328	291	103
Newark, N.J.....	123	98	44	49	37	40	631	500	98
Philadelphia, Pa.....	109	91	87	88	42	36	390	419	116
Portland, Oreg.....	151	174	149	188	34	37	356	419	39
St. Louis, Mo.....	125	135	81	94	47	46	531	410	94

<sup>1</sup> Includes attempted forcible entry. <sup>2</sup> Includes attempted offenses.

Source: U.S. Law Enforcement Assistance Administration, *Criminal Victimization Surveys in Eight American Cities: 1971-72 vs. 1974* and *Criminal Victimization Surveys in the Nation's Five Largest Cities: 1973 vs. 1974*.

**NO. 260. HOMICIDE VICTIMS AND SUICIDES, BY RACE AND SEX: 1930 TO 1974**  
 [See also *Historical Statistics, Colonial Times to 1970*, series H 971-986]

YEAR	HOMICIDE VICTIMS						SUICIDES			
	Total	White		Negro and other		Total	White		Negro and other	
		Male	Female	Male	Female		Male	Female	Male	Female
<b>NUMBER</b>										
1930	10,331	4,605	1,236	3,628	1,862	18,323	13,877	3,863	442	141
1935	10,396	4,200	1,116	4,167	1,913	18,214	13,465	4,094	477	178
1940	8,329	2,977	796	3,670	886	18,907	13,900	4,294	476	147
1945	7,547	2,750	701	3,210	787	14,782	10,374	3,920	380	108
1950	7,942	2,586	652	3,603	901	17,145	12,755	3,713	542	135
1955	7,418	2,430	622	3,101	806	16,780	12,430	3,662	531	137
1960	8,464	2,832	1,154	3,437	1,041	19,011	13,825	4,206	714	206
1965	10,712	3,680	1,379	4,488	1,185	21,507	14,624	5,718	866	209
1968	14,086	5,100	1,700	6,417	1,463	21,372	14,520	5,602	859	301
1969	15,477	5,215	1,801	6,051	1,610	22,864	14,886	6,152	971	355
1970 <sup>2</sup>	16,848	5,865	1,938	7,413	1,632	23,480	15,591	6,468	1,038	383
1971 <sup>2</sup>	18,787	6,455	2,108	8,357	1,860	24,092	15,802	6,775	1,058	457
1972 <sup>2</sup>	19,638	6,820	2,156	8,822	1,840	25,004	16,476	6,788	1,232	448
1973 <sup>2</sup>	20,465	7,411	2,575	8,420	2,050	25,118	16,823	6,589	1,285	421
1974 <sup>2</sup>	21,465	7,992	2,656	8,755	2,062	25,683	17,263	6,660	1,332	428
<b>RATE <sup>3</sup></b>										
1930	12.4	12.1	3.3	92.6	21.8	22.1	36.4	10.4	11.3	3.6
1935	11.2	9.9	2.7	94.4	20.2	19.6	31.8	9.8	10.8	3.9
1940	8.4	6.7	1.8	79.0	18.5	19.2	31.3	9.6	10.4	3.1
1945	7.7	6.8	1.7	71.4	15.2	15.1	25.6	8.2	8.5	2.1
1950	7.2	5.3	1.9	67.4	16.2	15.6	26.0	7.4	10.4	2.4
1955	6.4	4.8	1.7	67.8	14.4	14.5	24.5	6.9	9.6	2.3
1960	6.9	5.3	2.0	56.2	15.6	15.4	25.7	7.6	11.7	3.1
1965	8.0	6.3	2.2	66.6	15.9	16.1	25.3	9.2	12.9	4.0
1968	10.5	8.5	2.6	90.0	18.2	15.2	24.2	8.8	12.1	3.8
1969	10.9	8.6	2.7	95.1	18.3	15.7	24.4	9.3	13.3	4.3
1970 <sup>2</sup>	11.6	9.5	2.9	95.9	18.5	16.2	25.3	9.6	13.4	4.3
1971 <sup>2</sup>	12.6	10.2	3.1	105.9	20.7	16.2	25.0	9.9	13.4	4.8
1972 <sup>2</sup>	13.0	10.6	3.1	108.3	19.7	16.5	25.6	9.7	15.0	4.8
1973 <sup>2</sup>	13.3	11.3	3.6	100.7	21.4	16.3	25.7	9.3	15.4	4.4
1974 <sup>2</sup>	13.7	12.0	3.7	101.7	20.9	16.4	26.0	9.8	15.5	4.3

<sup>1</sup> Excludes legal executions. <sup>2</sup> Excludes deaths of nonresidents of the U.S. For 1972, based on a 50-percent sample of deaths. <sup>3</sup> Per 100,000 resident population 15 years old and over, as of April 1, 1930, 1940, 1950, 1960, and 1970; as of July 1 for other years.

**NO. 261. HOMICIDE VICTIMS AND SUICIDES: 1960 TO 1974**

[Excludes Armed Forces abroad. See also *Historical Statistics, Colonial Times to 1970*, series H 971-986]

ITEM	1960		1965		1970 <sup>1</sup>		1972 <sup>1</sup>		1973 <sup>1</sup>		1974 <sup>1</sup>	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
<b>Homicides</b> .....	6,269	2,195	8,148	2,564	13,278	3,570	15,642	3,986	15,840	4,625	16,747	4,718
Assault by—												
Firearms <sup>2</sup> .....	3,460	1,167	4,807	1,351	6,209	2,004	11,150	2,232	11,168	2,584	12,053	2,684
Percent of total.....	55.2	53.2	59.0	52.7	69.4	56.1	71.3	55.9	70.5	55.9	73.6	57.0
Cutting and piercing instru- ments.....	1,442	394	1,847	445	2,220	551	2,580	616	2,510	744	2,610	756
Other means.....	1,069	631	1,216	768	1,512	1,010	1,616	1,144	1,793	1,200	1,715	1,272
Intervention of police.....	242	3	271	—	328	5	296	4	369	7	360	6
Execution.....	56	—	7	—	—	—	—	—	—	—	—	—
<b>Suicides</b> .....	14,539	4,502	15,490	6,017	16,629	6,851	17,768	7,236	18,108	7,010	18,595	7,088
Firearms <sup>2</sup> .....	7,870	1,138	8,457	1,441	9,704	2,008	10,852	2,400	11,057	2,260	11,813	2,532
Percent of total.....	54.2	25.3	54.6	23.9	58.4	30.2	61.1	34.5	61.1	32.2	63.5	35.7
Poisoning.....	2,631	1,099	3,170	2,816	3,299	3,285	3,242	3,208	3,140	3,107	2,944	3,049
Hanging and strangulation.....	2,576	790	2,453	744	2,422	831	2,510	790	2,071	877	2,061	816
Other.....	1,453	875	1,401	1,016	1,204	667	1,164	742	1,231	766	1,177	691
Infanticides <sup>3</sup> .....	99	100	123	90	80	70	92	80	81	80	78	88

<sup>1</sup> Represents zero. <sup>2</sup> Excludes deaths of nonresidents of the United States. For 1972, based on a 50-percent sample of deaths. <sup>3</sup> Includes explosives.

Source of tables 260 and 261: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

# Homicides and Suicides—Murder Victims

159

## No. 262. HOMICIDE AND SUICIDE RATES, SELECTED COUNTRIES: 1973

[Crude rate per 100,000 population]

COUNTRY	HOMICIDES		SUICIDES		COUNTRY	HOMICIDES		SUICIDES	
	Male	Female	Male	Female		Male	Female	Male	Female
United States-----	15.5	4.8	17.5	6.8	Mexico-----	23.8	2.2	1.1	0.3
Austria-----	1.7	1.0	33.3	14.5	Netherlands-----	0.8	0.4	10.0	6.5
Australia-----	2.4	1.5	17.9	9.3	Norway-----	1.0	0.5	13.0	5.1
Belgium-----	1.4	1.0	21.5	9.6	Philippines-----	4.0	0.5	0.0	0.4
Canada-----	3.2	1.7	17.4	6.9	Poland-----	1.4	0.6	20.3	4.1
Denmark-----	0.9	1.0	30.2	17.7	Portugal-----	1.3	0.4	13.4	3.6
Finland-----	3.9	1.5	30.0	10.0	Puerto Rico-----	25.3	4.1	17.0	3.7
France-----	1.1	0.5	23.3	9.3	Spain-----	0.4	0.2	6.7	2.3
Germany, Fed. Rep. of-----	1.5	0.9	26.3	14.1	Sweden-----	1.2	0.9	29.4	11.2
Greece-----	1.1	0.4	3.9	1.5	Switzerland-----	0.9	0.5	28.2	11.2
Ireland-----	1.0	1.0	4.3	1.7	United Kingdom: England and Wales-----	1.0	0.8	9.2	6.2
Israel-----	0.6	0.6	8.4	6.5	Northern Ireland-----	18.9	1.5	4.1	2.0
Italy-----	1.7	0.6	8.2	3.6	Scotland-----	2.0	0.8	9.5	6.8
Japan-----	1.6	1.0	19.4	14.2					

<sup>1</sup> For 1972.

Source: United Nations World Health Organization, *World Health Statistics*, annual.

## No. 263. SUICIDE MORTALITY RATES, BY SEX, RACE, AND AGE GROUPS: 1965 TO 1974

[Rate per 100,000 population. Beginning 1970, excludes deaths of nonresidents of the United States]

AGE	MALE								FEMALE							
	White				Negro and other				White				Negro and other			
	1965	1970	1973	1974	1965	1970	1973	1974	1965	1970	1973	1974	1965	1970	1973	1974
Total-----	17.4	18.0	18.8	19.2	7.7	8.5	10.0	10.2	6.6	7.1	7.0	7.1	2.5	2.9	3.0	3.0
5-14 year-----	0.5	0.5	0.7	0.8	0.2	0.2	0.3	0.4	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2
15-24 year-----	9.6	13.9	17.4	17.8	8.5	11.3	14.0	12.0	3.0	4.2	4.3	4.8	3.1	4.1	4.1	3.9
25-34 year-----	17.7	19.9	21.8	23.3	14.2	19.8	22.6	22.9	7.6	9.0	8.5	8.7	6.0	5.8	5.3	6.3
35-44 year-----	23.4	23.3	22.8	23.8	15.0	12.6	14.3	15.6	12.0	13.0	12.2	12.1	4.2	4.3	5.4	4.5
45-54 year-----	30.8	29.5	28.4	28.3	13.5	14.1	13.4	11.9	13.8	13.5	13.7	14.1	4.1	4.5	3.2	4.0
55-64 year-----	39.7	35.0	32.4	32.1	14.2	10.5	12.1	12.5	12.3	12.3	12.0	11.0	2.8	2.2	4.4	3.4
65 year and over-----	43.3	41.1	40.7	38.9	15.0	10.8	11.9	15.3	9.1	8.5	8.2	7.7	3.2	3.6	3.1	2.3

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## No. 264. MURDER VICTIMS, BY WEAPONS USED: 1965 TO 1975

YEAR	Murder victims, total	WEAPONS USED OR CAUSE OF DEATH							
		Guns		Cutting or stabbing	Blunt object <sup>1</sup>	Strangula- tions, beatings	Drown- ings, arson, etc.	All other <sup>2</sup>	
		Total	Percent					Total	Percent
1965-----	8,773	5,015	57.2	2,021	505	894	226	112	
1966-----	9,552	5,680	59.3	2,134	516	896	203	143	
1967-----	11,114	6,998	63.0	2,200	589	957	211	159	
1968-----	12,508	8,105	64.8	2,317	713	936	294	138	
1969-----	13,575	8,876	65.4	2,534	613	1,039	322	191	
1970-----	13,649	9,039	66.2	2,424	604	1,031	353	198	
1971-----	16,183	10,712	66.2	3,017	645	1,295	314	200	
1972-----	15,832	10,379	65.6	2,974	672	1,201	381	185	
1973-----	17,123	11,249	65.7	2,985	848	1,445	173	423	
1974-----	18,632	12,474	66.9	3,228	976	1,417	153	384	
1975-----	18,642	12,061	64.7	3,245	1,001	1,648	193	496	

<sup>1</sup> Refers to club, hammer, etc. <sup>2</sup> Includes poison, explosives, unknown, and not stated; for 1973 to 1975, includes drowning. <sup>3</sup> Arson only.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, annual.

## No. 265. LAW ENFORCEMENT OFFICERS KILLED, BY GEOGRAPHIC DIVISIONS: 1960 TO 1975

[Covers officers killed in line of duty; beginning 1972, includes Federal officers. For composition of divisions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 987-998]

ITEM	1960	1965	1967	1968	1969	1970	1971	1972	1973	1974	1975
Total killed.....	48	83	123	123	125	146	181	157	176	179	<sup>1</sup> 185
By felons.....	(NA)	53	76	64	86	100	129	116	134	182	<sup>1</sup> 129
In accidents.....	(NA)	30	47	59	39	46	52	41	42	47	56
New England.....	3	3	4	3	3	2	5	2	7	2	4
Middle Atlantic.....	7	10	15	10	15	20	31	22	21	18	24
East North Central.....	9	10	29	19	31	35	32	23	21	43	32
West North Central.....	3	3	8	12	10	8	13	12	8	8	8
South Atlantic.....	13	15	20	34	15	23	28	38	37	42	31
East South Central.....	2	9	9	9	9	5	13	12	13	12	18
West South Central.....	6	14	14	15	19	15	23	27	30	28	22
Mountain.....	-	7	6	4	6	4	11	7	16	9	14
Pacific.....	5	12	18	17	17	24	22	12	21	18	22
Puerto Rico.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3	2	4	4	8

- Represents zero. NA Not available. <sup>1</sup> Includes one officer each in Virgin Islands and Guam.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, annual.

## No. 266. CIVILIAN FIREARMS—DOMESTIC PRODUCTION AND IMPORTS: 1960 TO 1975

[In thousands. Includes firearms sold under civilian marksmanship program of Department of Defense]

ITEM	1960	1965	1967	1968	1969	1970	1971 <sup>1</sup>	1972 <sup>1</sup>	1973 <sup>1</sup>	1974 <sup>1</sup>	1975 <sup>1</sup>
Total.....	2,163	3,121	4,087	5,266	6,180	(NA)	(NA)	(NA)	5,758	6,542	6,852
Domestic production.....	1,508	2,355	2,879	3,515	5,290	(NA)	(NA)	(NA)	4,844	5,639	5,768
Handguns.....	475	866	926	21,259	2,840	(NA)	(NA)	(NA)	1,734	1,715	2,024
Rifles.....	469	790	809	21,100	2,450	(NA)	(NA)	(NA)	1,830	2,099	2,123
Shotguns.....	564	899	1,044	21,155	(NA)	(NA)	(NA)	(NA)	1,280	1,825	1,621
Imports for consumption.....	655	766	1,208	1,751	890	826	951	1,200	914	903	1,084
Handguns.....	128	347	747	1,155	349	227	301	468	299	250	462
Rifles.....	402	245	239	277	207	237	243	197	185	188	166
Shotguns.....	125	174	222	318	334	363	406	585	420	456	457

NA Not available. <sup>1</sup> Fiscal-year data. <sup>2</sup> Estimated.

Source: 1960-1970, U.S. Bureau of the Census, *U.S. Imports, General and Consumption, Schedule A Commodity and Country*, FT 185, and National Commission on the Causes and Prevention of Violence, Task Force report, *Firearms and Violence in American Life*. Beginning 1971, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics*, Publication ATF P. 1823.1.

## No. 267. POLITICAL ASSASSINATIONS AND ASSAULTS: 1835 TO 1972

[Assault defined as any attack on persons holding political office or any individuals or groups of individuals for political reasons. For composition of regions, see fig. I, inside front cover]

REGION	Number	Rate <sup>1</sup>	PERIOD	Number	Rate <sup>1</sup>
United States, 1835-1972.....	82	(X)	1835-1864.....	3	(Z)
			1865-1894.....	43	0.03
Northeast.....	7	0.02	1895-1924.....	12	(Z)
Southeast.....	29	0.18	1925-1934.....	3	0.02
North Central.....	11	0.03	1935-1944.....	4	0.03
South Central.....	25	0.13	1945-1954.....	2 11	0.07
West.....	10	0.10	1955-1972.....	3 6	0.03

X Not applicable. Z Less than 0.005 percent. <sup>1</sup> Per million population. Based on averages of appropriate decennial census figures. <sup>2</sup> Includes 5 Congressmen shot in 1954 in a single attack. <sup>3</sup> Includes George C. Wallace who was shot in 1972.

Source: National Commission on the Causes and Prevention of Violence, *Task Force Report on Assassinations*, 1969.

# Crimes by Type—Communication Intercepts

161

No. 268. SELECTED CRIMES, BY TYPE: 1975

TYPE OF CRIME	Offenses (1,000)	PERCENT		TYPE OF CRIME	Offenses (1,000)	PERCENT	
		Change from 1974	Incidence			Change from 1974	Incidence
Robbery, total	396	+7.0	100.0	Larceny—theft, total	4,842	+13.1	100.0
Highway	200	+9.3	50.8	Pocket picking	43	+14.2	.09
Commercial house	63	+0.1	16.0	Purse snatching	87	+4.7	1.8
Gas or service station	17	+41.0	4.3	Shoplifting	546	+15.7	11.3
Chain store	24	-3.5	6.1	From motor vehicles	897	+18.6	18.5
Residence	48	+12.3	12.0	Motor vehicle accessories	903	+34.2	18.7
Bank	4	+26.2	0.9	Bicycles	632	-11.1	13.1
Other	40	-3.2	10.0	From buildings	807	+9.3	10.7
Burglary, total	2,575	+7.4	100.0	From coin-operated machines	62	+0.1	1.3
Residence, night	787	+13.6	30.6	All others	865	+16.6	17.9
Residence, day	804	+9.0	33.2				
Nonresidence, night	770	(2)	29.9				
Nonresidence, day	164	+8.8	6.4				

Z Less than one-tenth of one percent.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States, 1975*.

No. 269. OFFENSES, CLEARANCES, AND ARRESTS, BY TYPE OF CRIME: 1975

[Covers crimes constituting "FBI Crime Index"; see text, p. 152. Excludes pending cases. Represents 2,198 cities with a total 1975 population of 33,275,000 as estimated by FBI. For definitions of crimes, see footnotes, table 253]

TYPE	Total, seri- ous crimes	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der <sup>1</sup>	Fel- onious rape	Rob- bery	Aggra- vated assault	Total	Bur- glary <sup>2</sup>	Lar- cen- y-theft	Motor vehicle theft
Offenses known	1,000	1,937	145	2.9	8.4	68	70	1,762	505	1,104
Offenses cleared	1,000	406	72	2.4	4.4	19	47	334	89	218
Percent cleared		20.9	49.8	82.1	52.3	29.6	66.2	18.6	17.6	19.8
Total arrests	1,000	883	59	2.8	3.7	20	32	325	82	218
Per 100 offenses		19.8	40.5	98.0	44.2	32.5	45.0	18.1	16.3	19.8
Persons charged	1,000	353	56	2.6	3.6	19	30	298	77	198
Per 100 offenses		18.2	38.4	91.0	42.8	30.3	43.1	16.6	15.2	18.0
Guilty as charged	1,000	107	14	.8	.8	4	8	92	16	73
Per 100 offenses		5.5	10.0	27.1	8.8	7.1	12.0	5.1	3.1	6.6
Guilty of lesser offenses	1,000	11	3	.2	.2	1	2	8	3	4
Per 100 offenses		.6	2.2	7.1	2.5	1.2	3.0	.4	.6	.4
Acquitted or dismissed	1,000	45	12	.5	.8	3	7	33	8	23
Per 100 offenses		2.3	8.0	16.0	9.8	4.0	10.4	1.0	1.5	2.1
Referred to juvenile court	1,000	122	9	.1	.5	5	4	113	35	66
Per 100 offenses		6.3	6.4	4.7	5.7	7.5	5.5	6.3	6.9	6.2

<sup>1</sup> Includes nonnegligent manslaughter.

<sup>2</sup> Breaking or entering.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States, 1975*.

No. 270. AUTHORIZED INTERCEPTS OF COMMUNICATIONS—SUMMARY: 1969 TO 1975

[Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication]

ITEM	1969	1970	1971	1972	1973	1974	1975
Intercept installations authorized, total	301	596	816	855	804	728	701
Residence or apartment	202	366	553	560	556	419	455
Business or other	99	230	268	288	308	309	246
Installed	270	582	792	841	812	694	678
Average length days	23	22	22	22	24	28	22
Tap <sup>1</sup>	250	538	753	779	731	638	620
Bug (incl. unspecified) <sup>2</sup>	20	44	30	62	81	61	56
Federal	30	179	281	205	130	120	106
State	240	403	511	636	682	574	570
Average number of intercepted communications	544	856	643	600	610	850	654
Inculminating	265	296	399	308	304	431	305
Persons arrested <sup>3</sup>	625	1,874	2,811	2,861	2,306	2,162	2,234
Convictions <sup>3</sup>	34	151	322	402	409	179	386
Major offense specified in application:							
Gambling	102	326	570	497	446	881	408
Drugs	89	127	126	230	229	199	178
Homicide and assault	22	20	18	35	47	31	16
Larceny	10	31	31	22	36	22	5
Bribery	12	16	18	9	25	25	21
Other	66	76	55	62	81	80	73

<sup>1</sup> Telephone wiretap. <sup>2</sup> A listening device, e.g., a microphone. Includes use of a microphone and telephone wiretap simultaneously. <sup>3</sup> Based on information received from intercepts installed in year shown.

Source: Administrative Office of the U.S. Courts, *Reports on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications*.

## No. 271. PERSONS ARRESTED—RACE, SEX, AND AGE: 1960 TO 1975

[See also *Historical Statistics, Colonial Times to 1970*, series H 999-1011]

ITEM	1960	1965	1969	1970	1971	1972	1973	1974	1975
RACE									
Agencies reporting.....	(1)	4,043	4,627	5,208	5,610	6,114	5,914	5,222	7,993
Population represented..... mil.	73	125	133	142	147	151	145	124	189
Persons arrested <sup>1</sup> ..... 1,000	3,499	4,743	5,577	6,267	6,626	6,707	6,248	5,853	7,871
White..... 1,000	2,321	3,235	3,843	4,378	4,624	4,684	4,450	4,112	5,530
Percent of total.....	65.3	68.2	68.9	69.9	69.8	69.5	71.4	70.3	72.2
Negro..... 1,000	1,065	1,348	1,559	1,988	1,791	1,848	1,630	1,562	1,985
Other..... 1,000	113	160	175	196	211	196	153	179	197
SEX AND AGE									
Agencies reporting.....	(3)	4,062	4,759	5,270	5,649	6,195	6,004	5,298	8,051
Population represented..... mil.	82	134	144	152	155	160	155	134	170
Persons arrested <sup>1</sup> ..... 1,000	3,670	5,031	5,862	6,670	6,987	7,013	6,500	6,179	8,014
Male..... 1,000	3,272	4,432	5,058	5,624	5,923	5,956	5,502	5,185	6,752
Percent of total.....	88.9	88.1	86.3	85.6	85.0	84.9	84.6	83.9	84.3
Percent under 18.....	13.7	20.2	28.7	23.2	23.6	23.3	24.4	26.4	25.5
Female..... 1,000	406	600	804	947	1,044	1,087	998	994	1,202
Percent of total.....	11.0	11.9	13.7	14.4	15.0	15.1	15.4	16.1	15.7
Percent under 18.....	19.1	30.1	37.6	37.5	38.4	38.4	37.6	36.1	35.5
Under 18 years..... 1,000	527	1,074	1,500	1,661	1,797	1,794	1,717	1,683	2,078
Percent of total.....	14.3	21.3	25.6	26.3	25.8	25.6	26.4	27.2	25.9
18-24 years..... 1,000	664	1,060	1,514	1,785	1,935	1,958	1,869	1,886	2,482
25-34 years..... 1,000	787	891	990	1,128	1,203	1,270	1,179	1,140	1,546
35-44 years..... 1,000	798	917	823	887	900	884	768	664	870
45-54 years..... 1,000	870	635	685	697	681	597	500	644	
55 and over..... 1,000	916	{ 421	398	425	430	413	360	299	386

<sup>1</sup> For 2,446 cities with population over 2,500. <sup>2</sup> Each person arrested is counted rather than the number of charges filed against one person. Includes persons for whom age was not known, not shown separately in breakdown by age. <sup>3</sup> For 2,460 cities with population over 2,500.

## No. 272. ARRESTS—NUMBER, BY SEX AND AGE: 1970 AND 1975

[Represents arrests reported by 4,217 agencies with a total 1975 population of 130,873,000 as estimated by FBI.  
Represents persons arrested, not charges]

OFFENSE CHARGED	MALE				FEMALE			
	Total		Under 18		Total		Under 18	
	1970	1975	1970	1975	1970	1975	1970	1975
Total persons arrested.....	4,858,934	4,945,313	1,133,092	1,283,786	827,793	993,182	811,039	850,982
Serious crimes.....	925,951	1,206,596	435,171	539,169	196,642	306,600	88,506	124,271
Murder <sup>1</sup> .....	9,077	11,196	938	1,170	1,711	2,020	84	181
Manslaughter by negligence.....	2,174	1,741	179	200	274	232	22	39
Forcible rape.....	13,176	17,524	2,688	3,140	6	165	1	49
Robbery.....	70,432	105,279	28,656	36,916	4,672	7,993	1,828	3,001
Aggravated assault.....	96,181	131,881	15,574	23,867	14,125	20,877	2,554	4,593
Burglary—breaking or entering.....	234,899	329,682	123,512	175,537	11,448	18,630	5,858	9,545
Larceny—theft.....	394,336	520,579	208,028	249,615	159,784	250,180	74,778	108,100
Motor vehicle theft.....	105,738	88,714	60,608	48,724	5,622	6,503	3,388	3,813
All other:								
Other assaults.....	219,402	240,587	36,147	46,083	33,038	39,784	9,151	12,755
Forgery and counterfeiting.....	30,689	31,649	3,148	3,892	9,627	13,183	1,143	1,500
Fraud.....	47,710	72,648	1,708	2,817	17,817	38,106	638	1,084
Embezzlement.....	5,798	5,429	258	434	1,917	2,676	88	123
Stolen property <sup>2</sup> .....	50,803	72,499	15,455	24,612	5,281	8,827	1,227	2,207
Weapons (carrying, possessing, etc.).....	81,624	97,536	18,354	16,748	5,929	8,692	591	1,122
Prostitution and commercial vice.....	7,995	12,125	305	539	34,998	34,985	749	1,676
Sex offenses (excl. rape and prostitution).....	36,942	38,893	7,060	7,674	5,332	3,381	1,894	973
Narcotic drug laws.....	249,883	334,528	53,158	78,403	47,608	54,982	15,555	15,472
Gambling.....	67,308	40,086	1,358	1,471	5,812	3,341	54	82
Offenses against family and children.....	44,004	29,009	515	2,507	4,362	4,424	245	1,683
Driving while intoxicated.....	340,873	509,723	3,850	9,707	24,394	45,879	199	771
Liquor laws.....	171,355	158,145	55,282	58,589	25,694	27,310	11,978	15,612
Drunkenness.....	1,279,657	602,854	30,528	25,818	97,040	61,949	4,592	3,982
Disorderly conduct.....	383,254	345,798	87,483	75,094	75,241	96,511	19,287	16,190
Vagrancy.....	75,481	25,820	9,459	3,702	18,979	5,644	1,653	650
All other offenses, except traffic.....	840,210	920,988	378,278	385,577	218,083	236,399	153,544	150,690

<sup>1</sup> Includes nonnegligent manslaughter. <sup>2</sup> Buying, receiving, possessing.Source of tables 271 and 272: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, annual.

## No. 273. ARRESTS—SELECTED CHARACTERISTICS OF PERSONS CHARGED: 1975

[Represents persons arrested (not charges) reported by 8,051 agencies with a total 1975 population of 179,191,000 as estimated by FBI]

OFFENSE CHARGED	Total (1,000)	PERCENT						
		Male	Under 15 yr. old	Under 18 yr.	18-24 yr.	25-44 yr.	45-54 yr.	55-64 yr.
		8,014	84.3	8.9	25.9	31.0	30.1	8.0
Total	8,014	84.3	8.9	25.9	31.0	30.1	8.0	3.6
Serious crimes	1,902	80.5	17.0	43.1	32.1	20.0	2.9	1.3
Murder and nonnegligent manslaughter	16	84.4	1.1	9.5	35.3	42.9	7.3	3.2
Manslaughter by negligence	3	88.8	2.6	12.1	38.5	38.4	7.3	3.9
Forcible rape	22	99.0	3.0	17.6	40.4	37.7	3.2	.3
Robbery	130	93.0	9.6	34.3	42.7	21.5	1.1	.3
Aggravated assault	202	86.9	5.2	17.6	32.0	39.5	7.1	2.7
Burglary <sup>1</sup>	449	94.6	20.1	52.6	32.6	13.3	1.0	.3
Larceny-theft	959	68.8	20.1	45.1	30.4	18.7	3.3	1.6
Motor vehicle theft	120	93.0	14.4	54.5	30.1	13.7	1.2	.3
All other:								
Other assaults	353	86.2	7.5	19.8	32.1	38.6	6.5	2.1
Arson	15	88.7	33.6	53.0	21.7	19.8	3.5	1.5
Forgery and counterfeiting	53	71.1	2.1	12.7	43.9	38.7	.8	.2
Fraud	146	65.8	.0	3.2	32.6	54.8	7.2	1.8
Embezzlement	9	68.9	1.7	7.3	32.3	50.8	7.8	1.6
Stolen property <sup>2</sup>	101	80.3	9.4	32.6	39.1	24.3	2.8	.9
Vandalism	176	92.0	37.9	65.4	20.6	11.8	1.6	.5
Weapons (carrying, etc.)	131	92.0	3.9	16.3	34.9	38.0	6.9	2.8
Prostitution and commercialized vice	50	25.7	.4	4.7	61.2	30.2	2.5	.9
Sex offenses <sup>3</sup>	51	92.3	7.7	21.4	29.4	38.7	7.6	3.4
Narcotic drug laws	508	88.2	3.2	24.2	52.8	21.5	1.1	.2
Gambling	49	91.2	.5	3.6	15.4	46.7	15.7	10.6
Offenses against family and children	53	88.3	5.4	11.8	30.1	49.4	6.8	1.5
Driving while intoxicated	909	91.9	1.0	25.3	47.6	16.2	7.3	1.8
Liquor laws	287	85.7	3.5	39.6	41.1	12.8	3.8	1.9
Drunkenness	1,176	92.9	.4	3.5	20.3	41.1	20.8	10.7
Disorderly conduct	633	82.4	5.5	19.0	38.3	31.0	6.8	2.7
Vagrancy	59	89.5	2.2	9.0	24.2	38.3	18.3	6.8
Suspicion	29	86.0	8.1	26.5	44.6	24.4	2.8	1.1
Curfew, loitering (juveniles)	112	79.7	26.7	100.0	—	—	—	—
Runaways (juveniles)	189	43.1	40.4	100.0	—	—	—	—
All other offenses, except traffic	1,038	88.9	9.2	24.7	35.8	30.9	5.5	2.1

Represents zero. Z Less than .05 percent. <sup>1</sup> Breaking or entering.

<sup>2</sup> Buying, receiving, possessing. <sup>3</sup> Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, 1975.

## No. 274. ARRESTS—NUMBER, BY RACE: 1975

[In thousands. Represents arrests reported by 7,993 agencies with a total 1975 population of 169,455,000 as estimated by FBI. Represents persons arrested, not charges]

OFFENSE CHARGED	Total	White	Negro	Other	OFFENSE CHARGED	Total	White	Negro	Other
Total	7,671	5,538.9	1,935.4	196.9	All other—Con.: Embezzlement, fraud..	151	106.0	43.2	1.5
Serious crimes	1,785	1,161.6	585.4	37.7	Stolen property <sup>1</sup> .....	93	60.4	31.5	1.2
Murder and nonnegligent manslaughter	15	6.6	8.3	.3	Weapons (carrying, etc.).....	123	69.8	51.0	2.2
Manslaughter by negligence	3	2.3	.6	.1	Prostitution and com- mercialized vice.....	47	21.0	25.0	.7
Forcible rape	20	10.4	9.1	.5	Sex offenses <sup>2</sup> .....	43	37.8	9.3	1.0
Robbery	110	43.6	84.9	1.9	Narcotic drug laws.....	487	383.6	96.7	7.0
Aggravated assault	181	105.2	71.4	4.1	Gambling.....	48	12.0	34.4	1.4
Burglary <sup>1</sup>	422	204.8	119.0	7.4	Offenses against family and children.....	52	36.8	14.6	.8
Larceny—theft	923	620.6	282.3	20.2	Driving, intoxicated.....	894	751.0	117.1	25.7
Motor vehicle theft	110	78.0	29.1	3.1	Liquor laws.....	263	233.1	21.3	8.7
All other:					Drunkenness.....	1,161	883.4	224.4	53.3
Other assaults	338	217.5	113.6	7.4	Disorderly conduct.....	579	390.2	174.5	13.9
Forgery and counterfeiting	54	35.6	17.5	.6	Vagrancy.....	58	34.0	22.9	1.3
					Other, except traffic.....	1,491	1,105.2	383.0	32.5

<sup>1</sup> Breaking or entering. <sup>2</sup> Buying, receiving, possessing. <sup>3</sup> See footnote 3, table 273.

Source: U.S. Federal Bureau of Investigation, *Uniform Crime Reports for the United States*, 1975.

**No. 275. CRIMINAL JUSTICE SYSTEM—PUBLIC EXPENDITURES, 1960 TO 1974, AND EMPLOYMENT, 1970 AND 1974, BY LEVEL OF GOVERNMENT**

[For 1960, expenditures are for fiscal year closing during calendar year; thereafter, closing during the 12 months ending June 30. Employment as of October. See also *Historical Statistics, Colonial Times to 1970*, series H 1012-1027]

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mill. dol.)						EMPLOYMENT (1,000)					
							1970			1974		
	1960	1965	1970	1972	1973	1974	Total	Full-time equivalent	Rate <sup>1</sup>	Total	Full-time equivalent	Rate <sup>1</sup>
All governments.....	3,349	4,573	8,571	11,725	13,051	14,954	852	775	41.8	21,094	21,011	251.8
Police.....	2,030	2,792	5,080	6,903	7,624	8,512	548	480	26.9	654	608	30.9
Judicial.....	597	748	1,190	1,491	1,578	1,798	105	96	5.2	141	125	6.7
Legal services <sup>2</sup> .....	(X)	(X)	442	580	664	771	43	38	2.1	59	52	2.8
Indigent defense <sup>2</sup> .....	(X)	(X)	102	168	207	246	4	3	0.2	7	6	0.3
Corrections.....	722	1,033	1,706	2,422	2,740	3,240	152	148	7.5	227	213	10.7
Federal Government.....	291	377	2,978	2,1496	2,1692	2,1961	61	59	3.0	295	294	4.5
Police.....	173	243	589	962	1,089	1,222	40	40	2.0	69	69	3.3
Judicial.....	74	75	129	179	118	136	7	7	0.3	7	7	0.3
Legal services <sup>1</sup> .....	(X)	(X)	102	107	123	118	7	7	0.3	7	7	0.3
Indigent defense <sup>2</sup> .....	(X)	(X)	56	80	90	92	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Corrections.....	44	59	83	133	171	215	6	6	0.3	10	10	0.5
State governments.....	769	1,135	2,134	2,948	3,304	2,900	175	172	8.6	2,263	2,253	12.4
Police.....	245	348	689	993	1,132	1,308	57	56	2.8	97	90	4.6
Judicial.....	99	155	282	346	386	439	19	18	0.9	25	24	1.2
Legal services <sup>2</sup> .....	(X)	(X)	83	125	143	178	7	7	0.3	12	12	0.6
Indigent defense <sup>2</sup> .....	(X)	(X)	9	24	37	52	1	1	(Z)	3	3	0.1
Corrections.....	425	632	1,051	1,378	1,584	1,813	92	90	4.5	128	121	5.8
Local governments.....	2,289	3,052	2,5454	2,7281	2,8052	2,9,092	617	543	30.3	2,736	2,665	34.8
Police.....	1,612	2,201	3,503	4,048	5,403	5,982	451	394	22.1	487	450	23.0
Judicial.....	424	518	779	965	1,075	1,223	79	70	3.9	110	94	5.2
Legal services <sup>2</sup> .....	(X)	(X)	257	348	397	475	29	25	1.4	39	34	1.8
Indigent defense <sup>2</sup> .....	(X)	(X)	37	68	79	101	3	3	0.1	4	3	0.2
Corrections.....	253	343	572	911	1,035	1,213	55	52	2.7	94	82	4.4

X Not applicable. Z Less than 500 or 0.05 percent.

<sup>1</sup> Rate (total) per 10,000 estimated population as of July 1, excluding Armed Forces abroad.

<sup>2</sup> Includes amounts not shown separately. <sup>3</sup> Not included prior to 1970.

Source: 1960 and 1965, U.S. Bureau of the Census, *Governmental Finances and Public Employment*, annual. Beginning 1970, U.S. Law Enforcement Assistance Administration and U.S. Bureau of the Census, *Expenditure and Employment Data for the Criminal Justice System*, annual.

**No. 276. FEDERAL OUTLAYS FOR CRIME REDUCTION, BY PROGRAM: 1973 TO 1976**

[In millions of dollars. For years ending June 30. Excludes Department of Defense and U.S. Postal Service outlays for crime reduction]

PROGRAM	1973	1974	1975	1976 est.	PROGRAM	1973	1974	1975	1976 est.
<b>Total.....</b>	<b>2,294</b>	<b>2,431</b>	<b>2,821</b>	<b>3,131</b>	Law enforcement support—Continued				
Assessment of crime.....	74	96	107	120	Education and training of enforcement officers.....	151	219	165	211
Statistics.....	28	31	95	107	Laboratories and criminalistics.....	28	33	48	51
Research.....	46	65	12	13	International programs in support of domestic law enforcement.....	28	14	32	70
Reform of criminal laws.....	3	3	4	4	Criminal justice administration.....	197	223	259	290
Crime prevention services.....	381	384	419	387	Criminal prosecutions.....	68	64	82	96
Juvenile delinquency.....	67	169	110	117	Federal court systems.....	84	99	99	113
Addict rehabilitation.....	118	147	269	227	Other programs.....	45	60	78	81
Other programs.....	197	68	60	43	Criminal justice planning and coordination.....	398	446	529	600
Criminal law enforcement.....	950	912	1,116	1,244	Rehabilitation of offenders.....	132	166	183	218
Investigations into violations of Federal criminal law.....					Correctional institutions.....				
Federal police.....	702	677	821	910	Probation, parole, and community treatment.....	16	21	48	63
Assistance to State and local governments for enforcement.....	102	51	51	60	Inmate education.....	9	10	11	13
Law enforcement support—Criminal intelligence and information systems.....	237	310	303	394	Improved correctional programs.....	229	229	264	280
	29	44	58	62	Other programs.....	11	20	23	26
					Planning and coordination.....	55	57	84	92

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, fiscal years, 1974, 1975, 1976, and 1977.

# Law Enforcement Employment and Expenditures

165

## No. 277. STATE AND LOCAL GOVERNMENT POLICE AND CORRECTIONS EMPLOYMENT AND POLICE EXPENDITURES, 1960 TO 1974, AND BY STATES, 1974

[Employees, full-time equivalent, as of October. Direct expenditures for police protection are for fiscal years ending in year stated. Local government data are estimates subject to sampling variation; see source]

STATE	EMPLOYEES					POLICE EXPENDITURES (mill. dol.)			
	Police protection		Corrections			State and local	Local		
	State and local	Local	State and local	Local	Percent		Total	Percent	
	Total	Percent		Total	Percent				
1960-----	308,771	271,634	89.4	(NA)	(NA)	(NA)	1,857	1,612	87
1965-----	348,569	308,472	88.5	110,700	41,163	37.2	2,549	2,201	86
1970-----	449,656	393,810	87.6	124,307	51,973	36.5	4,491	3,808	85
1971-----	472,066	402,691	85.8	172,821	66,778	38.6	5,301	4,480	84
1972-----	486,162	410,765	84.5	177,864	70,079	39.4	5,941	4,950	83
1973-----	511,146	429,512	84.0	187,298	75,122	40.1	6,535	5,405	83
1974-----	539,409	449,587	83.3	203,230	82,070	40.4	7,290	5,984	82
Alabama-----	7,132	5,804	81.4	2,036	798	38.9	76	57	75
Alaska-----	1,032	537	52.0	445	33	7.4	19	8	42
Arizona-----	6,080	4,706	77.4	2,009	1,020	49.0	92	67	73
Arkansas-----	3,282	2,523	78.1	892	240	27.9	31	23	74
California-----	60,003	47,820	79.7	31,096	10,189	60.0	1,007	808	80
Colorado-----	6,821	5,785	84.1	2,053	518	25.2	79	66	84
Connecticut-----	7,424	6,078	81.9	2,703	2	(Z)	109	89	82
Delaware-----	1,312	605	50.7	683	-	-	19	10	53
District of Columbia-----	6,132	6,132	100.0	3,333	3,333	100.0	88	88	100
Florida-----	21,798	19,215	88.2	10,816	2,542	23.5	262	225	86
Georgia-----	10,993	9,247	84.1	5,315	1,888	35.5	117	94	80
Hawaii-----	2,238	2,223	90.6	453	81	17.9	34	34	100
Idaho-----	1,709	1,423	83.3	469	105	22.4	17	13	76
Illinois-----	32,602	29,080	89.2	7,437	2,670	35.9	468	411	88
Indiana-----	10,182	8,254	81.1	3,284	1,315	40.0	118	89	76
Iowa-----	4,862	4,012	82.5	1,806	535	29.6	58	45	78
Kansas-----	4,603	3,852	83.7	2,570	456	17.7	49	39	80
Kentucky-----	5,951	4,438	74.6	2,082	584	28.7	74	54	73
Louisiana-----	10,740	8,349	77.7	3,146	1,007	32.0	121	90	74
Maine-----	1,987	1,411	71.0	806	138	17.1	22	15	68
Maryland-----	11,718	9,304	79.4	5,522	830	15.2	183	127	78
Massachusetts-----	16,938	13,603	84.7	5,273	2,086	39.8	236	205	87
Michigan-----	21,671	18,246	84.6	6,613	3,301	49.9	354	291	82
Minnesota-----	7,286	6,184	84.0	2,635	1,193	45.3	98	81	83
Mississippi-----	4,243	3,112	73.3	1,122	198	17.6	46	29	64
Missouri-----	12,182	10,438	85.7	3,669	1,697	46.3	146	125	88
Montana-----	1,646	1,196	77.4	609	119	19.5	16	12	75
Nebraska-----	2,940	2,380	81.0	1,022	242	23.7	34	26	76
Nevada-----	2,105	1,896	90.1	968	481	50.2	31	27	87
New Hampshire-----	1,724	1,413	82.0	457	146	31.9	20	15	75
New Jersey-----	23,363	20,135	86.2	7,700	4,302	55.9	322	277	86
New Mexico-----	2,871	2,142	74.6	835	218	26.1	33	23	70
New York-----	72,024	65,369	90.7	23,550	11,591	49.2	1,078	982	91
North Carolina-----	10,657	8,213	77.1	5,905	709	12.0	125	91	73
North Dakota-----	1,032	875	84.8	296	49	16.6	11	9	82
Ohio-----	22,854	19,883	87.0	9,447	3,058	32.4	279	232	83
Oklahoma-----	5,849	4,409	75.4	2,004	401	20.0	58	41	71
Oregon-----	5,163	3,891	75.5	2,248	821	36.5	70	51	73
Pennsylvania-----	28,041	22,503	80.3	8,739	4,731	54.1	378	291	77
Rhode Island-----	2,231	1,942	87.0	739	-	-	29	24	83
South Carolina-----	5,154	3,886	75.4	2,616	568	21.7	57	40	70
South Dakota-----	1,151	967	84.0	312	98	31.4	13	9	69
Tennessee-----	8,438	7,221	85.6	3,570	1,191	33.4	91	77	85
Texas-----	26,687	21,358	80.0	7,460	3,336	44.7	290	220	79
Utah-----	2,341	1,801	76.9	901	248	27.5	26	18	69
Vermont-----	922	525	55.0	420	2	0.5	12	6	50
Virginia-----	10,696	7,300	68.2	5,430	1,271	23.4	130	90	69
Washington-----	7,493	5,081	79.0	3,851	1,443	37.5	105	83	79
West Virginia-----	2,809	1,891	67.3	1,040	298	28.5	29	18	62
Wisconsin-----	10,737	9,434	87.9	3,571	914	25.6	141	122	87
Wyoming-----	863	686	80.4	342	54	15.8	9	6	67

- Represents zero. NA Not available. Z Less than 0.05 percent.

Source: U.S. Law Enforcement Assistance Administration and U.S. Bureau of the Census, *Expenditure and Employment Data for the Criminal Justice System*, annual.

## No. 278. AVERAGE ANNUAL SALARY SCALES OF POLICE AND FIREFIGHTERS, BY CITY SIZE-GROUPS: 1965 TO 1975

[In dollars. Based on a study covering cities with a population of 100,000 or more]

EMPLOYEE GROUP AND YEAR	MINIMUM ANNUAL SCALES					MAXIMUM ANNUAL SCALES				
	Total	City population size-group				Total	City population size-group			
		100,000- 249,999	250,000- 499,999	500,000- 999,999	1,000,000 or more		100,000- 249,999	250,000- 499,999	500,000- 999,999	1,000,000 or more
<b>POLICE</b>										
1965.....	5,763	5,134	5,404	5,603	6,193	6,919	6,007	6,390	6,659	7,559
1970.....	8,448	7,357	7,928	7,888	9,300	10,017	8,648	9,385	9,016	10,927
1971.....	8,874	7,939	8,414	8,201	9,675	10,576	9,408	9,980	10,109	11,452
1972.....	9,446	8,342	8,747	8,749	10,465	11,333	9,988	10,423	10,667	12,496
1973.....	9,925	8,833	9,251	9,864	10,870	12,312	10,634	11,065	11,684	13,707
1974.....	10,540	9,398	9,907	9,790	11,595	13,080	11,307	11,907	12,239	14,611
1975 (prel.)....	11,162	10,069	10,746	10,572	12,054	14,001	12,350	13,046	13,503	15,300
<b>FIREFIGHTERS</b>										
1965.....	5,633	5,046	5,310	5,646	6,203	6,689	5,802	6,297	6,607	7,630
1970.....	8,041	7,103	7,685	7,786	9,263	9,482	8,349	9,080	9,203	10,828
1971.....	8,489	7,672	8,179	8,215	9,598	10,060	9,080	9,649	9,839	11,327
1972.....	9,022	8,098	8,480	8,743	10,410	10,726	9,642	10,050	10,485	12,284
1973.....	9,507	8,598	9,053	9,211	10,882	11,589	10,242	10,788	11,240	13,564
1974.....	10,054	9,080	9,760	9,561	11,541	12,309	10,873	11,680	11,808	14,450
1975 (prel.)....	10,717	9,782	10,532	10,448	11,958	13,231	11,809	12,778	13,056	15,047

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March and December 1975. Based on data from International City Management Assoc., Fraternal Order of Police, and International Assoc. of Firefighters.

## No. 279. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1970

[Data based on *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired. See also *Historical Statistics, Colonial Times to 1970*, series H 1028-1062.]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970			
						Total	In cities with population—		
							Less than 250,000	250,000- 499,999	500,000 or more
All lawyers <sup>1</sup> .....	241,514	262,320	285,933	296,069	316,856	355,242	172,030	41,075	142,137
Lawyers reporting <sup>2</sup> .....	221,600	235,783	252,385	268,782	289,404	324,818	159,291	37,411	128,116
In cities with population <sup>3</sup> :									
Less than 250,000.....	105,709	111,543	115,453	124,092	135,515	159,291	(X)	(X)	
250,000-499,999.....	30,651	33,001	37,388	39,270	41,205	37,411	(X)	37,411	
500,000 or more.....	85,240	91,239	99,544	105,411	112,884	128,116	(X)	(X)	128,116
Male.....	216,564	229,433	245,897	261,639	281,336	315,715	165,356	36,428	123,931
Female.....	5,036	6,350	6,488	7,143	8,068	9,103	3,935	983	4,185
Status in practice:									
Government.....	21,279	24,245	25,621	29,314	31,280	35,803	16,116	3,613	16,074
Federal.....	9,040	12,458	13,045	15,113	16,284	18,710	5,234	1,591	11,885
State.....	3,561	4,000	4,316	6,486	7,416	9,293	5,444	1,332	2,617
City or county.....	8,678	7,787	8,200	7,715	7,580	7,800	5,438	600	1,672
Judicial.....	7,903	7,910	8,180	8,748	9,712	10,349	7,392	997	1,960
Federal.....	621	769	599	707	800	878	363	145	370
State or county.....	5,041	5,056	5,301	5,712	6,823	7,548	5,672	660	1,216
City.....	2,241	2,085	2,280	2,329	2,089	1,923	1,357	192	374
Private practice.....	189,423	188,955	192,333	200,580	212,662	236,055	119,507	27,166	89,412
Individual.....	127,380	122,389	116,911	113,127	113,273	118,963	62,377	12,529	44,057
Partner.....	51,668	54,986	60,700	70,084	78,644	82,442	48,697	11,285	32,460
Associate <sup>4</sup> .....	10,368	11,600	14,733	17,395	20,845	24,680	8,433	3,352	12,895
Salaried.....	18,648	21,054	25,198	29,510	33,222	40,486	15,453	5,562	19,471
Private industry.....	15,063	18,911	22,533	26,492	29,405	33,593	12,372	4,806	16,415
Educational inst.....	1,351	1,504	1,798	2,100	2,717	3,732	2,092	436	1,205
Other private employ.....	234	639	867	918	1,100	1,161	989	321	1,851
Inactive or retired.....	6,581	7,661	10,887	12,024	14,881	16,812	11,353	1,502	3,957

X. Not applicable. <sup>1</sup> Includes lawyers not reporting and an adjustment (subtraction) for duplications.

<sup>2</sup> Includes duplications: 1954, 4,440; 1957, 4,506; 1960, 4,504; 1963, 5,918; 1966, 8,787; 1970, 8,834.

<sup>3</sup> 1954-1957, 1950 Census of Population; 1960, 1960 Census of Population; 1963 and 1966, unofficial estimates, *Editor & Publisher Yearbook*; and 1970, 1970 Census of Population. Prior to 1970, refers to cities with population of less than 200,000, 200,000-499,999, and 500,000 or more, respectively.

<sup>4</sup> In some cases, if more than 1 subentry was applicable the individual was tabulated in each.

<sup>5</sup> Lawyers employed by individual practitioners or partnerships.

Source: American Bar Foundation, Chicago, Ill., *The 1971 Lawyer Statistical Report*, 1971. (Copyright.)

## U.S. Supreme Court—Legal Services

167

## No. 280. U.S. SUPREME COURT—CASES FILED AND DISPOSITION: 1969 TO 1975

[See *Historical Statistics, Colonial Times to 1970*, series H 1063-1078 for related but not comparable data]

ACTION	1969	1970	1971	1972	1973	1974	1975 <sup>1</sup>
Total cases on docket.....	4,202	4,212	4,533	4,640	5,079	4,668	2,708
Appellate cases on docket.....							
From prior term.....	1,758	1,903	2,070	2,188	2,480	2,308	1,303
Docketed during present term.....	271	325	362	442	412	540	341
Cases acted upon.....	1,487	1,678	1,708	1,741	2,068	1,708	902
Granted review.....	1,529	1,613	1,752	1,834	1,948	1,967	866
Denied, dismissed, or withdrawn.....	222	214	238	217	229	235	159
Summarily decided.....	1,219	1,285	1,409	1,397	1,572	1,504	670
Cases not acted upon.....	88	114	105	220	147	138	37
Pauper cases on docket.....	2,429	2,280	2,445	2,436	2,585	2,348	1,304
Cases acted upon.....	1,971	1,802	2,023	1,982	2,013	1,976	883
Granted review.....	30	41	61	35	30	28	16
Denied, dismissed, or withdrawn.....	1,916	1,683	1,781	1,002	1,942	1,914	858
Summarily decided.....	25	78	181	45	41	34	9
Cases not acted upon.....	458	487	422	454	572	372	511
Original cases on docket.....	15	20	18	21	14	12	11
Cases disposed of during term.....	5	7	8	8	4	4	1
Total cases available for argument.....	241	267	280	256	261	278	178
Cases disposed of.....	147	160	181	180	172	178	78
Cases argued.....	144	151	176	177	170	175	77
Cases dismissed or remanded without argument.....	3	9	5	3	2	3	1
Cases remaining.....	94	107	90	76	89	100	100
Cases decided by signed opinion.....	105	126	143	159	161	144	6
Cases decided by per curiam opinion.....	21	22	24	18	8	20	-
Number of signed opinions.....	88	109	120	140	140	123	6

- Represents zero. <sup>1</sup> Preliminary. <sup>2</sup> Through Jan. 8, 1976.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

## No. 281. LEGAL SERVICES—SELECTED DATA: 1972

[Money figures in millions of dollars]

ITEM	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL			
	Number	Receipts	Number	Receipts	Annual payroll	Paid employees <sup>1</sup>
Total.....	144,452	10,938	77,282	9,724	2,318	267,656
By legal form of organization:						
Sole proprietorships.....	95,820	2,885	30,856	1,730	310	53,608
Partnerships.....	25,488	5,911	28,691	5,857	1,284	150,119
Corporations <sup>2</sup> .....	4,574	1,050	4,478	1,053	527	31,549
Other or legal form unknown <sup>3</sup> .....	18,570	1,086	18,257	1,084	197	32,380
By receipts size of establishment: <sup>4</sup>						
With annual receipts of:						
Less than \$20,000.....	(NA)	(NA)	10,017	123	20	9,970
\$20,000 to \$99,999.....	(NA)	(NA)	42,087	2,080	360	67,236
\$100,000 or more.....	(NA)	(NA)	20,620	6,867	1,777	173,248
Selected States:						
California.....	14,030	1,217	8,103	1,115	203	20,337
Illinois.....	8,865	718	4,186	628	148	15,529
New York.....	21,470	1,918	9,663	1,708	420	43,043
Pennsylvania.....	6,650	547	3,401	474	111	13,685
Texas.....	7,907	533	4,086	464	90	12,826

NA Not available. <sup>1</sup> For week including March 12. <sup>2</sup> Represents professional service organizations.  
<sup>3</sup> Includes estates, receiverships, and cooperatives. <sup>4</sup> Establishments operating entire year.

Source: U.S. Bureau of the Census, 1972 Census of Selected Industries, Legal Services Report, SC 725-4.

## No. 282. U.S. COURTS OF APPEALS: 1950 TO 1975

(For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1070-1096)

ITEM	1950	1955	1960	1965	1969	1970	1971	1972	1973	1974	1975
Cases commenced.....	2,630	3,695	3,899	6,766	10,248	11,662	12,788	14,535	15,629	16,436	16,658
Criminal.....	308	877	923	1,223	2,508	2,880	3,197	3,980	4,453	4,067	4,187
U.S. civil.....	708	811	788	1,387	1,828	2,167	2,367	2,604	2,704	3,207	2,081
Private civil.....	1,114	1,868	1,534	2,677	4,197	4,834	5,234	5,795	6,172	6,157	6,511
Administrative appeals.....	485	576	737	1,106	1,845	1,522	1,388	1,509	1,616	2,205	2,200
Other.....	215	268	217	373	375	479	607	647	684	740	689
Cases terminated.....	3,064	3,654	3,713	5,771	9,014	10,699	12,368	13,828	15,112	15,422	16,000
Criminal.....	342	670	580	1,014	2,022	2,581	3,047	3,799	4,210	4,200	4,005
U.S. civil.....	783	893	750	1,229	1,559	1,912	2,258	2,512	2,722	2,791	3,094
Private civil.....	1,184	1,289	1,517	2,188	3,679	4,367	5,065	5,399	6,030	5,847	6,262
Administrative appeals.....	541	523	600	1,004	1,394	1,407	1,503	1,448	1,493	1,734	1,906
Other.....	214	279	206	341	360	432	495	670	657	751	740
Cases disposed of after hearing or submission <sup>1</sup> .....	2,355	2,809	2,681	3,546	5,121	6,139	7,606	8,537	9,618	8,451	9,077
Affirmed or granted.....	1,700	1,907	1,924	2,035	3,838	4,626	5,765	6,207	7,163	6,429	6,768
Reversed or denied.....	528	777	656	773	1,072	1,280	1,377	1,664	1,893	1,579	1,632
Percent of total.....	22.4	26.9	24.5	22.0	20.9	20.9	18.1	19.4	17.5	18.6	17.8
Other.....	127	125	101	138	211	233	464	666	762	443	682
Median months <sup>2</sup> .....	7.1	7.3	6.8	8.0	8.3	8.2	7.6	6.6	6.4	6.8	7.4

<sup>1</sup> Beginning 1974, data not comparable with earlier years due to changes in criteria.<sup>2</sup> Median time interval from filing of complete record to final disposition.

## No. 283. U.S. DISTRICT COURTS—CIVIL AND CRIMINAL CASES: 1950 TO 1975

(For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1097-1111)

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975
Civil cases: Commenced.....	14,454	14,808	15,284	67,678	87,321	96,173	98,560	103,530	117,320
Cases terminated <sup>1</sup> .....	14,482	14,759	14,847	63,137	70,466	94,256	97,402	96,701	103,787
No court action.....	(NA)	(NA)	(NA)	29,309	31,056	37,446	37,024	35,870	39,219
Court action, total.....	(NA)	(NA)	(NA)	33,828	48,410	56,810	60,378	60,822	64,588
Before pretrial.....	(NA)	(NA)	(NA)	17,089	20,420	35,500	36,873	38,576	40,271
Pretrial.....	(NA)	(NA)	(NA)	9,442	11,000	12,739	15,208	13,864	15,575
Trials.....	(NA)	(NA)	(NA)	7,297	7,975	8,481	8,297	8,382	8,722
Percent reaching trial.....	(NA)	(NA)	(NA)	11.6	10.0	9.0	8.5	8.7	8.4
Criminal cases: Commenced <sup>3</sup> .....	36,383	35,310	28,187	31,560	38,102	47,043	40,367	37,687	41,108
Defendants disposed of <sup>1</sup> .....	37,675	38,990	30,512	33,718	36,356	49,516	46,724	48,014	40,212
Not convicted.....	4,173	5,135	3,784	4,961	8,178	12,298	11,741	11,784	11,779
Dismissed.....	3,237	3,792	2,596	3,789	6,608	10,219	9,757	10,019	10,274
Acquited.....	930	1,343	1,188	1,172	1,570	2,077	1,984	1,765	1,505
Convicted.....	38,502	38,855	26,728	28,757	28,178	37,220	34,988	36,230	37,433
By guilty plea <sup>4</sup> .....	31,739	31,148	24,245	25,923	24,111	31,714	30,009	30,660	31,816
By court or jury.....	1,763	2,707	2,483	2,834	4,067	5,506	5,974	5,570	5,617
Imprisonment.....	14,435	16,889	18,433	13,668	12,415	16,832	17,540	17,180	17,301
Probation.....	10,046	14,021	10,301	10,779	11,387	15,395	15,026	16,623	17,913
Fine and other.....	3,021	2,945	2,904	4,810	4,376	4,908	2,417	2,427	2,219

NA. Not available. <sup>1</sup> Excludes District of Columbia, Canal Zone, Guam, and Virgin Islands, except, beginning 1973, defendants disposed of includes District of Columbia. <sup>2</sup> Excludes land condemnation cases.<sup>3</sup> Excludes transfers. <sup>4</sup> Or nolo contendere.

## No. 284. U.S. DISTRICT COURTS—CIVIL CASES COMMENCED AND TERMINATED: 1975

(For year ending June 30)

NATURE OF SUIT	Cases com- menced, total	Cases ter- minated, total	No court action	COURT ACTION				
				Total	Before pre- trial	Prel- trial	Trials, total	Percent reaching trial
Total.....	117,320	104,783	40,215	64,568	40,271	15,575	8,722	8.3
U.S. cases.....	31,779	27,949	11,960	15,989	12,995	1,765	1,229	4.4
Contract actions.....	3,411	3,487	2,230	1,257	906	228	122	3.5
Real property actions.....	4,584	3,945	3,208	787	612	70	55	1.4
Tort actions.....	2,311	2,062	899	1,163	525	390	248	12.0
Actions under statutes.....	21,360	18,351	5,595	12,750	10,894	1,069	793	4.3
Other actions.....	113	104	28	76	58	7	11	10.6
Private cases.....	85,541	76,834	28,255	48,579	27,276	13,810	7,493	9.8
Federal question.....	52,688	46,267	15,634	30,383	20,106	6,586	3,641	7.9
Contract actions.....	4,749	4,518	2,591	1,927	618	1,026	288	6.4
Tort actions.....	5,195	7,869	3,506	4,363	1,191	2,454	718	9.1
Actions under statutes.....	38,658	32,945	9,369	23,576	18,019	3,025	2,532	7.7
All other.....	1,086	935	468	467	288	81	103	11.0
Diversity of citizenship and local jurisdiction.....	32,853	30,567	12,321	18,246	7,170	7,224	3,852	12.6

Source of tables 282-284: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

# U.S. District Courts

169

## No. 285. U.S. DISTRICT COURTS—DEFENDANTS CHARGED WITH VIOLATIONS OF DRUG ABUSE PREVENTION AND CONTROL ACT: 1973 TO 1975

[For years ending June 30. Excludes Canal Zone, Guam, Virgin Islands, and, for 1973, District of Columbia]

ITEM	MARIJUANA			NARCOTICS			CONTROLLED SUBSTANCES		
	1973	1974	1975	1973	1974	1975	1973	1974	1975
Total defendants.....	4,107	3,988	3,741	4,310	5,370	5,217	995	1,852	1,666
Not convicted, total.....	735	896	911	934	1,346	1,292	204	308	348
Dismissed.....	642	810	828	808	1,160	1,114	171	275	315
Convicted.....	3,372	3,042	2,830	3,376	4,024	3,926	791	1,044	1,318
By guilty pleas.....	2,897	2,560	2,382	2,550	3,124	3,055	632	877	1,085
Sentenced to imprisonment.....	1,920	1,732	1,529	2,498	2,765	2,628	494	551	683
Under 3 years.....	1,123	1,095	958	808	941	838	201	276	276
3-5 years.....	511	400	381	641	820	777	162	154	274
5 years and over.....	295	237	196	1,049	1,004	1,011	131	121	138
Average sentence.....	mo.	28.4	27.7	27.6	58.4	54.3	58.1	41.5	37.8
Probation.....	1,349	1,257	1,272	863	1,251	1,286	288	480	623
Fine and other.....	94	63	20	15	8	13	9	13	12

Source: Administrative Office of the U.S. Courts, *Federal Offenders in the U.S. District Courts*, annual.

## No. 286. U.S. DISTRICT COURTS—TRIALS: 1950 TO 1975

[For years ending June 30. Through 1960, trials commenced; thereafter, trials completed. Prior to 1965, excludes D.C., Alaska, Hawaii, and outlying areas. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118]

TYPE OF TRIAL	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975
Total.....	7,977	9,253	9,042	11,485	16,032	17,549	18,780	19,467	18,572	19,236
Civil trials.....	5,663	5,882	6,002	7,013	9,449	10,093	10,962	10,899	10,972	11,603
Nonjury.....	3,648	3,224	3,161	4,459	6,078	6,600	7,285	7,289	7,403	7,700
Jury.....	2,018	2,658	2,841	3,154	3,371	3,493	3,677	3,607	3,569	3,700
Criminal trials.....	2,314	3,376	3,040	3,872	6,583	7,456	7,818	8,571	7,600	7,633
Nonjury.....	825	1,151	943	1,143	2,357	2,923	2,968	2,927	2,753	2,726
Jury.....	1,489	2,225	2,097	2,729	4,226	4,533	4,850	5,044	4,847	4,907

## No. 287. U.S. DISTRICT COURTS—CRIMINAL CASES COMMENCED AND DEFENDANTS DISPOSED OF, BY NATURE OF OFFENSE: 1974 AND 1975

[For years ending June 30. Excludes Canal Zone, Guam, and Virgin Islands]

NATURE OF OFFENSE	1974		1975, cases com- men- ced (excl. trans- fers)	DISPOSITION OF DEFENDANTS, 1975								
	Cases com- men- ced	De- fend- ants dis- posed (excl. trans- fers)		Not convicted		Convicted			Sentenced			
				Total	Ac- quit- ted	Total	By guilty plea	By court or jury	Im- prison- ment	Pro- ba- tion	Fine and other	
Total.....	36,913	48,014	40,282	11,710	1,505	37,433	31,816	5,617	17,301	17,913	2,219	
General offenses:												
Homicide.....	130	138	132	45	9	98	62	31	66	27	-	
Robbery.....	1,589	1,966	2,145	409	72	1,956	1,473	483	1,748	208	-	
Assault.....	640	689	763	224	48	512	388	124	231	249	32	
Burglary.....	202	250	301	47	3	238	216	20	141	96	1	
Larceny—theft.....	3,477	4,189	4,529	860	164	3,964	3,488	528	1,571	2,316	77	
Embezzlement and fraud.....	4,648	6,566	6,480	1,102	226	4,674	4,145	529	1,228	3,134	312	
Auto theft.....	1,783	2,230	1,577	381	64	1,630	1,308	222	1,041	483	6	
Forgery, counterfeiting.....	4,338	4,945	4,592	783	102	4,432	4,047	386	1,953	2,455	24	
Sex offenses.....	164	192	157	73	16	138	93	45	82	55	1	
Narcotics.....	7,115	10,989	7,142	2,750	296	8,151	8,531	1,820	4,887	3,208	56	
Misc. general offenses.....	5,937	7,170	7,086	2,604	364	5,756	4,609	1,057	2,085	2,697	374	
Special offenses:												
Immigration laws.....	1,905	2,034	1,912	313	11	1,645	1,543	102	902	500	153	
Liquor, Internal Revenue.....	641	956	349	100	28	530	451	79	133	378	19	
Selective Service Act.....	1,005	2,034	273	1,147	14	229	171	58	20	203	6	
Other Federal statutes.....	3,380	4,597	3,844	922	122	3,685	3,256	330	523	1,903	1,169	

- Represents zero. \* Excludes 69 defendants in civil rights cases whose cases were remanded to State courts.

Source of tables 286 and 287: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

**No. 288. JUVENILES IN PUBLIC CUSTODY—SUMMARY: 1971 AND 1973**

[As of June 30, except expenditures for years ending June 30. Data based on State and local public juvenile detention and correctional facilities in operation when censuses were conducted (Oct. 1971 and Nov. 1973), in existence for at least a month before census reference date of June 30, and with resident population of at least 50 percent juveniles. Excludes juvenile detention centers operated as part of a jail and without a separate staff or budget, non-residential facilities, privately operated facilities, facilities exclusively for drug abusers, facilities exclusively for dependent and neglected children, foster homes, and Federal juvenile correctional facilities]

ITEM	1971	1973	ITEM	1971	1973
Facilities, total	722	794	Juveniles held <sup>1</sup>	54,729	45,694
State	818	367	Male	41,781	35,057
Local	404	427	Female	12,948	10,637
Training schools	191	187	Type of facility:		
Detention centers	305	319	Training schools	34,005	26,427
Ranches, forestry camps, and farms	115	103	Detention centers	11,767	10,782
Reception and diagnostic centers	16	17	Ranches, forestry camps, and farms	5,471	4,959
Halfway houses and group homes	78	149	Reception and diagnostic centers	2,153	1,734
Shelters	17	19	Halfway houses and group homes	973	1,602
Expenditures..... mil. dol.	456	484	Shelters	360	190
Operating..... mil. dol.	409	454	Detention status:		
Per person held..... mil. dol.	6,989	9,582	Adjudicated delinquent	245,608	{33,335 4,551}
Capital..... mil. dol.	47	30	In need of supervision	6,397	6,397
Full-time employees..... 1,000	39.5	39.2	Held pending disposition	7,717	
Part-time employees..... 1,000	3.9	5.6	Other	1,406	1,361

<sup>1</sup> In addition, there were an estimated 2,510 adults and youthful offenders in juvenile facilities on June 30, 1971, and 2,289 on June 30, 1973. <sup>2</sup> Includes voluntary admissions; included in other for 1973.

Sources: U.S. Law Enforcement Assistance Administration, *Children in Custody: A Report on the Juvenile Detention and Correctional Facility Census of 1972-73*, April 1976.

**No. 289. JUVENILE COURT—CASES HANDLED: 1960 TO 1973**

[Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously antisocial conduct. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1970*, series H 1110-1124]

ITEM	1960	1965	1968	1969	1970	1971	1972	1973
Population 10-17 years old <sup>1</sup> ..... 1,000	26,368	29,536	31,566	32,187	32,614	32,969	33,120	33,377
Delinquency cases excluding traffic <sup>2</sup> ..... 1,000	510	697	900	989	1,052	1,125	1,112	1,143
Per 1,000 population 10-17 years old.....	20.1	23.6	28.5	30.7	32.3	34.1	33.6	34.2
Population under 18 years old <sup>1</sup> ..... 1,000	64,516	69,699	69,831	69,694	69,689	69,576	69,060	68,196
Dependency and neglect cases <sup>2</sup> ..... 1,000	131	157	141	127	133	131	141	158
Per 1,000 population under 18 years old.....	2.0	2.3	2.0	1.8	1.9	1.9	2.0	2.3

<sup>1</sup> U.S. Bureau of the Census estimates of civilian population as of July 1, except 1960 and 1970, as of April 1.

<sup>2</sup> Delinquency cases based on data from a national sample of juvenile courts. Since 1970, based on all courts reporting whose jurisdiction includes about three-fourths of the Nation's population; dependency and neglect cases based on reports from courts serving about two-thirds of the child population under 18 years of age.

Source: U.S. Office of Human Development and U.S. Office of Youth Development, *Juvenile Court Statistics*, annual.

**No. 290. ADMISSIONS TO AND DEPARTURES FROM PUBLIC TRAINING SCHOOLS, RANCHES, FORESTRY CAMPS, AND FARMS: 1971 AND 1973**

[Covers State and local public training schools, ranches, forestry camps, and farms in operation at time each census was conducted (October 1971 and November 1973), if they had been in existence for at least a month before census reference date of June 30, and had a resident population of at least 50 percent juveniles. Excludes privately operated facilities and Federal juvenile correctional facilities]

ITEM	1971	1973	ITEM	1971	1973
Facilities reporting.....	306	290	Departures..... percent	100.0	100.0
Percent overcrowded on June 30.....	14.7	16.8	Discharged without further agency supervision.....	7.9	9.4
Admissions..... percent	100.0	100.0	Placed in an aftercare <sup>2</sup> or parole program <sup>4</sup> .....	70.7	60.4
Committed by court:			Transferred out to another facility.....	11.4	11.4
First commitment.....	61.6	55.4	Other.....	10.0	18.8
Recommitment.....	7.9	9.5			
Returned from an aftercare <sup>2</sup> or parole program <sup>3</sup> .....	16.4	10.5			
Transferred in from another facility.....	8.9	8.3			
Other.....	5.2	16.3			

<sup>1</sup> For a new offense.

<sup>2</sup> Aftercare: Status of children in legal custody of institution, receiving care and supervision outside institution from its staff or parent agency; and children in legal custody of parents, receiving institutional care and supervision in their own home.

<sup>3</sup> For reasons other than a new offense.

<sup>4</sup> Program operated by facility itself or another agency.

Source: U.S. Law Enforcement Assistance Administration, *Children in Custody: A Report on the Juvenile Detention and Correctional Facility Census of 1972-73*, April 1976.

# Federal and State Prisons—Jail Inmates

171

## No. 291. FEDERAL AND STATE PRISONS—PRISONERS PRESENT AND PRISONERS RECEIVED: 1950 TO 1974

[Rate per 100,000 estimated civilian population. Prior to 1970, excludes State institutions in Alaska and, prior to 1960, those in Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	166,123	110.3	17,134	11.4	148,989	98.9	60,473	46.1	14,237	9.5	55,236	36.7
1955	185,780	113.4	20,088	12.3	165,692	101.1	78,414	47.9	15,286	9.3	63,128	38.5
1960	212,953	118.6	23,218	12.9	189,735	105.7	85,575	49.3	13,723	7.6	74,852	41.7
1965	210,895	109.5	21,040	10.9	189,855	98.6	87,505	45.4	12,781	6.6	74,724	38.8
1970	196,420	96.7	20,038	9.8	176,391	86.8	70,351	39.1	12,047	5.9	67,304	33.1
1971	198,061	96.4	20,948	10.2	177,113	86.2	97,292	47.3	13,193	6.4	84,099	40.9
1972	196,092	94.6	21,713	10.5	174,370	84.1	119,316	57.6	16,104	7.8	103,212	49.8
1973	204,211	97.8	22,815	10.9	181,396	86.8	127,686	61.1	17,170	8.2	110,516	52.9
1974	218,205	103.6	22,361	10.6	195,844	93.0	103,754	49.3	14,511	6.9	89,243	42.4

<sup>1</sup> Includes commitments from courts, parole, or conditional-release violators returned and escapees returned under old sentence.

Source: U.S. Law Enforcement Assistance Administration, 1950-1970, *National Prisoner Statistics*, Bulletin No. 47. Beginning 1971, *Prisoners in State and Federal Institutions on December 31, 1971, 1972, and 1973*, and 1974; Bulletin Nos. SD-NPS-PSF 1 and 2.

## No. 292. STATE PRISONS—SELECTED CHARACTERISTICS, BY TYPE OF INSTITUTION: 1974

[Based on data compiled in January 1974 by U.S. Bureau of the Census. Facility must have been an administratively separate institution and defined as a State correctional facility for adults or youthful offenders or a non-State operated facility where majority of residents were State inmates. Excludes Massachusetts]

CHARACTERISTIC	All institutions <sup>1</sup>	Closed prisons	Prison camps <sup>2</sup>	CHARACTERISTIC	All institutions <sup>1</sup>	Closed prisons	Prison camps <sup>2</sup>
Inmates, number.....	1,000			Institutions with selected facilities:			
Institutions, total.....	188,0592	118,7172	34,3162	Sick bay.....	358	159	83
Year of initial construction:				Library.....	481	167	181
Before 1899 and unknown.....	75	48	4	Athletic field.....	450	158	141
1899-1928.....	61	25	8	Full-time staff:			
1924-1948.....	186	47	46	Less than 20.....	250	7	87
1949-1969.....	287	44	98	20-99.....	136	41	42
1970-1973.....	33	8	6	100-299.....	86	50	19
Institutions with selected programs:				300 or more.....	67	56	2
Group counseling.....	487	153	117	Unknown.....	53	18	12
Individual counseling.....	540	167	131	Annual operating expenditures:			
Remedial education.....	526	170	137	Less than \$200,000.....	172	8	54
Vocational training.....	477	163	112	\$200,000-\$1 million.....	202	87	82
Alcoholic treatment.....	489	152	112	\$1 million-\$3 million.....	81	41	16
Drug treatment.....	436	145	96	\$3 million or more.....	92	75	8
				Unknown.....	45	11	4

<sup>1</sup> Includes types of institutions not shown separately.

<sup>2</sup> Includes prison farms, road camps, and forest camps.

Source: U.S. Law Enforcement Assistance Administration, *Census of State Correctional Facilities, 1974, Advance Report*.

## No. 293. REASON FOR RETENTION AND SELECTED SOCIOECONOMIC CHARACTERISTICS OF JAIL INMATES, BY RACE: 1972

[As of summer. Jail defined as a locally administered institution that has the authority to retain adults for 48 hours or longer]

CHARACTERISTIC	Total	White	Black	Other	CHARACTERISTIC	Total	White	Black	Other
Total inmates <sup>1</sup> .....	141,600	79,900	58,900	2,800	Marital status:				
Serving sentence.....	60,200	35,400	23,200	1,600	Never married.....	70,500	34,400	34,400	1,700
Awaiting trial.....	50,800	26,300	23,800	700	Separated, divorced, or widowed.....	37,100	25,200	11,400	600
Other States of adjudication.....	30,500	18,200	11,900	500	Married.....	33,900	20,300	13,100	400
Educational attainment:					Precarcer annual income:				
0-8 years.....	32,200	20,300	11,000	900	Less than \$2,000.....	61,800	33,500	26,800	1,600
9-12 years.....	94,500	49,200	43,600	1,700	\$2,000-\$2,999.....	16,100	8,600	7,000	400
Over 12 years.....	14,300	10,300	4,100	(2)	\$3,000-\$7,499.....	44,400	24,800	19,000	600
					\$7,500 and over.....	15,100	10,800	4,300	(2)
Z Less than 300.					Unknown.....	4,300	2,200	2,000	(2)

<sup>1</sup> Educational attainment excludes 600 inmates for whom data were not available.

Source: U.S. Law Enforcement Assistance Administration, *Survey of Inmates of Local Jails: Advance Report*.

## No. 294. FEDERAL AND STATE PRISONS—PRISONERS, BY STATES: 1950 TO 1974

[See headnote, table 291]

STATE	1950	1960	1965	1970	1971	1972	1973	1974
<b>United States</b>	<b>166,123</b>	<b>212,953</b>	<b>210,895</b>	<b>196,429</b>	<b>198,061</b>	<b>196,092</b>	<b>204,211</b>	<b>218,205</b>
Federal institutions <sup>1</sup>	17,134	23,218	21,040	20,038	20,948	21,713	22,815	22,361
State institutions	148,989	189,735	189,855	2 176,391	177,113	174,379	181,396	195,844
<b>New England:</b>								
Maine	736	750	695	516	454	473	453	527
New Hampshire	235	180	205	244	213	240	277	219
Vermont	259	269	263	182	212	139	188	242
Massachusetts	2,375	1,920	1,929	2,053	2,203	1,856	1,981	2,228
Rhode Island <sup>2</sup>	284	255	310	(NA)	378	340	404	451
Connecticut	1,020	1,497	1,642	1,568	1,938	1,818	1,663	1,464
<b>Middle Atlantic:</b>								
New York <sup>1</sup>	15,313	17,207	17,504	12,059	11,928	11,693	12,045	14,191
New Jersey	3,991	4,284	4,839	5,704	5,272	5,279	5,357	5,219
Pennsylvania	7,432	7,802	7,116	6,289	5,315	6,245	6,515	6,732
<b>East North Central:</b>								
Ohio	9,128	11,111	11,374	9,185	9,063	8,276	7,717	9,326
Indiana	4,738	5,429	4,486	4,137	4,358	3,847	3,357	3,051
Illinois	7,886	8,064	8,306	6,381	5,854	5,630	5,600	6,208
Michigan	8,501	9,550	7,842	9,079	9,547	8,471	7,874	8,630
Wisconsin	2,017	2,784	2,830	2,973	2,493	2,036	2,147	2,587
<b>West North Central:</b>								
Minnesota	1,870	2,050	1,772	1,585	1,553	1,337	1,402	1,372
Iowa	2,084	2,204	2,178	1,747	1,540	1,306	1,402	1,476
Missouri	3,400	3,698	3,517	3,413	3,614	3,533	3,767	4,171
North Dakota	235	248	208	147	132	179	155	129
South Dakota	451	526	571	391	388	344	236	250
Nebraska	1,147	1,269	1,151	1,001	1,040	953	1,006	1,040
Kansas	1,059	2,313	2,791	1,002	2,017	1,642	1,354	1,421
<b>South Atlantic:</b>								
Delaware <sup>3</sup>	158	226	315	506	186	279	325	436
Maryland	3,892	5,316	5,467	5,186	4,950	5,578	5,799	6,260
District of Columbia	1,478	1,958	1,604	1,423	2,600	2,500	2,331	2,055
Virginia	4,439	5,775	4,553	4,648	4,981	4,946	5,100	5,032
West Virginia	2,904	2,407	1,477	938	1,063	1,058	1,086	1,028
North Carolina	5,004	5,977	6,020	5,069	7,795	8,263	9,641	11,006
South Carolina	1,513	2,080	2,323	2,726	3,066	3,197	3,489	4,318
Georgia <sup>7</sup>	4,545	6,985	5,966	5,113	6,777	8,225	8,810	9,280
Florida	3,973	7,084	6,995	9,187	9,653	10,382	10,376	11,219
<b>East South Central:</b>								
Kentucky	3,250	3,603	2,813	2,849	3,060	2,941	2,954	3,063
Tennessee	2,780	3,184	3,213	3,268	3,454	3,329	3,454	3,771
Alabama <sup>1</sup>	4,454	5,369	4,377	3,790	3,823	3,032	3,693	3,936
Mississippi	2,158	1,975	2,019	1,730	1,841	1,879	1,738	2,127
<b>West South Central:</b>								
Arkansas	1,541	2,016	1,970	(NA)	1,658	1,610	1,679	2,074
Louisiana	2,674	3,749	3,844	4,196	4,159	3,421	4,093	4,779
Oklahoma	2,401	2,079	2,829	3,640	3,729	3,667	3,187	2,896
Texas	6,424	11,308	12,854	14,331	15,089	15,709	17,238	16,833
<b>Mountain:</b>								
Montana	595	602	586	200	250	283	316	336
Idaho	514	549	481	411	362	377	426	525
Wyoming	368	338	336	231	263	262	278	269
Colorado	1,490	2,078	2,766	2,066	1,957	1,925	1,894	1,968
New Mexico	705	1,243	1,002	742	642	597	726	902
Arizona	878	1,516	1,604	1,460	1,401	1,529	1,691	2,101
Utah	562	553	701	491	500	581	519	548
Nevada	240	413	622	690	635	646	748	749
<b>Pacific:</b>								
Washington	2,290	2,455	3,202	2,864	2,782	2,608	2,682	2,980
Oregon	1,534	1,710	2,000	1,800	2,016	1,856	1,670	2,005
California	11,050	21,660	26,325	25,038	17,474	16,070	19,794	21,897
Alaska	(NA)	(NA)	(NA)	(NA)	191	183	174	183
Hawaii	(NA)	558	463	228	254	300	295	309

NA. Not available. <sup>1</sup> Not included in State figures.<sup>2</sup> Total excludes, and individual State figures include, transfers.<sup>3</sup> Beginning 1960, excludes male misdemeanor prisoners in adult correctional institutions. Beginning 1965, excludes female misdemeanants.<sup>4</sup> Beginning 1960, prisoners present include prisoners out of the institution on temporary absences. <sup>5</sup> Fiscal year data.<sup>6</sup> For 1950, covers only the New Castle County workhouse; thereafter, also includes the Kent and Sussex County workhouses which were united with it to form a State correctional system.<sup>7</sup> Includes all felony prisoners regardless of age.<sup>8</sup> Beginning 1960, excludes misdemeanor prisoners received from court.Source: U.S. Law Enforcement Assistance Administration, 1950-70, *National Prisoner Statistics*, Bulletin No. 47. Beginning 1971, *Prisoners in State and Federal Institutions on December 31, 1971, 1972, and 1973*, and 1974: Bulletin Nos. SD-NPS-PSF 1 and 2.

# Average Time Served by Prisoners Released

173

**No. 295. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME: 1965, 1970, AND 1975**

(For years ending June 30. For 1975, excludes 363 first releases (deaths, escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 667 second or subsequent releases. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday)

RELEASES, EXCLUDING PRISONERS SENTENCED UNDER THE YOUTH CORRECTIONS ACT <sup>1</sup>										Expiration of sentence and mandatory release			YOUTH CORRECTIONS ACT RELEASES	
All first releases					Parole									
YEAR AND OFFENSE		Average time served		Average sentence (months)	Average time served		Average sentence (months)	Number		Average time served	Percent of average	Number	Average time served (months)	
Number	Average sentence (months)	Number	Percent of average sentence	Months	Number	Percent of average sentence	Months	Average	Number	Months	Percent of average sentence	Number	Months	
1965, all offenses.....	32,6	19.9	61.0	3,384	42.6	18.3	43.0	8,706	28.7	20.5	71.4	1,226	21.6	
1970, all offenses.....	33.6	19.7	51.0	2,754	55.0	20.0	36.3	5,733	30.7	19.6	63.7	947	21.7	
1975, all offenses <sup>2</sup> .....	39.8	18.5	46.4	4,387	73.7	27.8	37.8	6,946	18.5	12.6	67.8	1,136	21.6	
Counterfeiting.....	2,898	45.3	21.7	45.3	156	65.7	25.7	126	26.1	16.9	64.7	15	18.9	
Drug laws.....	1,177	22.0	20.9	46.2	1,380	68.2	26.7	39.2	1,518	24.4	15.7	64.0	410	18.0
Embezzlement.....	92	36.5	21.4	50.0	65	43.9	17.4	39.6	112	9.3	7.3	73.3	7	13.4
Escape, flight, or harboring a fugitive.....	558	30.4	15.4	58.5	28	69.4	31.4	64	22.2	17.0	17.0	65.5	6	14.2
Firearms.....	452	38.9	18.9	55.8	183	53.1	21.6	40.7	269	20.8	17.1	69.9	59	18.5
Forgery.....	347	26.6	12.0	45.0	148	44.2	16.8	159	13.6	8.4	62.0	48	19.9	
Fraud.....	2,073	8.1	5.5	66.5	1,922	37.7	14.2	37.6	1,931	5.9	4.9	83.0	14	18.1
Immigration.....	217	14.6	7.6	52.1	31	36.4	28.0	166	8.0	5.9	73.9	1	20.9	
Income tax.....	244	34.5	17.9	52.0	148	39.6	17.2	43.5	96	26.5	19.0	71.7	-	56.0
Juvenile delinquency.....	1,737	34.7	18.9	54.4	23	192.3	59.5	31.0	3	74.3	47.3	63.7	5	38.8
Kidnapping.....	795	38.6	22.0	57.1	304	49.4	22.3	44.0	1,054	24.5	16.7	68.3	298	22.1
Larceny-theft.....	236	19.7	11.0	55.7	110	34.9	14.2	40.8	165	21.7	63.1	128	24.2	
Motor vehicle, interstate.....	807	135.6	48.1	35.5	640	151.1	49.5	32.7	167	13.2	9.6	72.6	5	17.8
Liquor laws.....	54	17.7	10.0	56.7	131	62.7	24.9	38.7	119	25.4	17.3	68.1	168	30.0
Robbery.....	250	45.0	21.3	47.3	131	29.1	14.1	48.4	35	11.5	7.8	68.2	10	19.3
Securities, transporting false or forged.....	20	38.3	20.5	53.5	8	51.0	20.4	40.0	12	29.8	20.6	69.0	1	24.7
Selective Service Act.....	250	50.6	26.9	45.2	84	137.7	54.8	39.8	166	20.1	12.8	63.9	75	34.0
White slave traffic.....	14	134.9	52.0	38.5	8	182.3	61.8	33.9	6	71.8	39.0	54.3	-	25.7

<sup>1</sup> Represents zero.

<sup>2</sup> Represents 90.6 percent of all first releases.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

<sup>2</sup> Includes other offenses not shown separately.

## No. 296. JAILS—SUMMARY: 1972

[As of summer. Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Conn., Del., and R.I.; and other facilities which retain persons for less than 2 days. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	United States	North-east	North Central	South	West
Jails.....number.....	3,921	231	1,153	1,865	672
Less than 21 inmates.....number.....	2,901	91	970	1,350	484
21-249 inmates.....number.....	907	117	167	475	148
250 or more inmates.....number.....	113	23	16	34	40
Number of employees.....1,000.....	44.3	10.9	9.9	14.9	8.6
Number of inmates.....1,000.....	141.6	27.4	23.5	55.5	35.2
Per 100,000 population.....	68.0	55.0	41.0	85.0	98.0
Per employee.....	3.2	2.5	2.4	3.7	4.1
Jails with selected programs:					
Work-release.....number.....	1,665	127	559	603	376
Weekend sentence.....number.....	1,821	91	634	678	420
Jails with selected facilities:					
Medical.....number.....	480	87	93	202	95
Recreational.....number.....	2,422	214	769	997	439

Source: U.S. Law Enforcement Assistance Administration, *The Nation's Jails*, May 1975.

## No. 297. PRISONERS UNDER SENTENCE OF DEATH: 1972 TO 1974

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison]

CHARACTERISTIC	1972	1973	1974	CHARACTERISTIC	1972	1973	1974	
	Total	330	162	254	Marital status:	(NA)	57	107
White.....	162	79	116	Never married.....	(NA)	68	90	
Black and other.....	168	83	138	Married.....	(NA)	37	57	
Under 20 years.....	7	2	15	Divorced or separated <sup>1</sup> .....	(NA)			
20-24 years.....	56	35	80	Time elapsed since sentencing:				
25-34 years.....	171	68	94	6 months or less.....	12	38	101	
35-54 years.....	87	49	58	7-12 months.....	35	4	59	
55 years and over.....	9	8	7	2-3 years.....	115	38	39	
Years of school completed:				4-8 years.....	122	45	90	
0-6.....	(NA)	19	26	More than 8 years.....	46	37	25	
7-11.....	(NA)	74	143	Legal status at time of arrest:				
12.....	(NA)	28	49	Not under sentence.....	(NA)	104	163	
More than 12.....	(NA)	7	11	On parole or probation.....	(NA)	19	32	
Unknown.....	(NA)	34	25	In prison or escaped from prison.....	(NA)	7	19	
				Unknown.....	(NA)	32	40	

NA Not available. <sup>1</sup> Includes widows, widowers, and unknown.

Source: U.S. Law Enforcement Assistance Administration, National Prisoner Statistics, Capitol Punishment, 1971-72, 1973, and 1974, SD-NPS-CP 1, 2, and 3.

## No. 298. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1969 TO 1975

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. For definition of median, see p. xii]

ITEM	1969, total	1970, total	1971, total	1972, total	1973, total	1974		1975	
						Total	Murder <sup>1</sup>	Total	Murder <sup>1</sup>
Under sentence of death, Jan. 1.....	470	524	607	620	329	158	142	261	226
Received death sentence during year.....	97	127	104	75	42	151	132	285	264
Other admissions <sup>2</sup> .....	33	33	11	—	30	—	—	—	—
Disposition <sup>3</sup> .....	85	76	102	365	239	55	52	67	54
Median elapsed time <sup>4</sup> .....mo.	35.7	54.4	52.2	46.6	44.4	55	(NA)	37	(NA)
Under sentence of death, Dec. 31.....	524	608	620	330	162	254	222	470	436
Median elapsed time <sup>5</sup> .....mo.	39.2	36.7	39.7	37.0	37.6	10	(NA)	9	(NA)

<sup>1</sup> Represents zero. NA Not available. <sup>2</sup> Prisoners found guilty of murder. <sup>3</sup> Includes prisoners previously reported as being "disposed of by other means" (granted a new trial or transferred to a mental hospital) who were returned to "death row" during the following or subsequent year. <sup>4</sup> Includes commutations, transfers to mental hospitals, reversals of judgment, grants for new trials, resentencings, etc.

<sup>4</sup> Period between first imposition of death sentence and date of other disposition.

<sup>5</sup> Period between first imposition of death sentence and Dec. 31 of year stated.

Source: U.S. Law Enforcement Assistance Administration, National Prisoner Statistics, Capital Punishment, 1975, SD-NPS-CP-4, and unpublished data.

## No. 299. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1974

[Includes 3 Federal executions in Alaska, 1 each in 1939, 1948, and 1950. Excludes executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1950, 3 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167.]

TYPE OF OFFENSE AND RACE	All years	1930- 1939	1940- 1949	1950- 1959	1960- 1964	1965	1966	1967	1968- 1974
Total	3,859	1,667	1,284	717	181	7	1	2	-
White	1,751	827	490	336	90	6	1	1	-
Negro	2,066	816	781	378	91	1	-	1	-
Other	42	24	13	5	-	-	-	-	-
Murder	3,334	1,514	1,084	601	145	7	1	2	-
White <sup>1</sup>	1,664	803	468	316	79	6	1	1	-
Negro <sup>1</sup>	1,630	687	595	280	66	1	-	-	-
Other	40	24	11	5	-	-	-	-	-
Rape	455	125	200	102	28	-	-	-	-
White	48	10	19	13	6	-	-	-	-
Negro	406	115	179	89	22	-	-	-	-
Other	2	-	2	-	-	-	-	-	-
Other offenses <sup>2</sup>	70	28	20	14	8	-	-	-	-
White <sup>1</sup>	39	14	13	7	5	-	-	-	-
Negro	31	14	7	7	3	-	-	-	-

- Represents zero.

<sup>1</sup> White includes 18 females; Negro, 12 females.

<sup>2</sup> 25 armed robbery, 20 kidnaping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

<sup>3</sup> Includes 2 females, both executed in 1953, 1 for kidnaping and 1 for espionage.

## No. 300. PRISONERS EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1974

[Death penalty illegal in Alaska, Hawaii, Maine, Mich., Minn., and Wis. and with certain exceptions in N.H., N.Mex., N.Y., N.Dak., R.I., and Vt. under the provision of which no executions have taken place during period covered except as indicated. Method of execution: E—electrocution, G—lethal gas, H—hanging, and S—shooting or hanging]

STATE AND METHOD OF EXECUTION	1940- 1949	1950- 1959	1960- 1965	1966- 1967	1968- 1974	STATE AND METHOD OF EXECUTION	1940- 1949	1950- 1959	1960- 1965	1966- 1967	1968- 1974
Total <sup>1</sup>	1,284	717	188	3	-	Mont. (H)	1	-	-	-	-
Ala. (E)	60	20	5	-	-	Nebr. (E)	2	2	-	-	-
Ariz. (G)	9	8	4	-	-	Nev. (G)	10	9	2	-	-
Ark. (E)	38	18	9	-	-	N.J. (E)	14	17	3	-	(4)
Calif. (G)	80	74	29	1	-	N. Mex. (G)	2	3	1	(4)	(4)
Colo. (G)	13	3	5	1	-	N.Y. (E)	114	52	10	(4)	(4)
Conn. (E)	10	5	1	-	-	N.C. (G)	112	19	1	-	-
Del. (H)	4	(2)	(2)	-	-	Ohio (E)	51	32	7	-	-
D.C. (E)	16	4	-	-	-	Oklahoma (E)	13	7	5	1	-
Fla. (E)	65	49	12	-	-	Oreg. (G)	12	4	1	(4)	(4)
Ga. (E)	130	85	14	-	-	Pa. (E)	36	31	3	-	-
Idaho (H)	-	3	-	-	-	S.C. (E)	61	26	8	-	-
Ill. (E)	18	9	2	-	-	S. Dak. (E)	1	-	-	-	-
Ind. (E)	7	2	1	-	-	Tenn. (E)	37	8	1	-	-
Iowa (H)	7	1	2	(2)	(2)	Tex. (E)	74	74	29	-	-
Kans. (H)	5	5	5	-	-	Utah (S)	4	6	1	-	-
Ky. (E)	34	16	1	-	-	Vt. (E)	1	2	-	(4)	(4)
La. (E)	47	27	1	-	-	Va. (E)	35	23	6	-	-
Md. (G)	45	6	1	-	-	Wash. (H)	16	6	2	-	-
Mass. (E)	9	-	-	-	-	W. Va. (E)	11	9	-	(4)	(4)
Miss. (G)	60	36	10	-	-	Wyo. (G)	2	-	1	-	-
Mo. (G)	16	7	4	-	-						

- Represents zero.

<sup>1</sup> Includes 23 Federal executions not shown by State (1940-1949, 13; 1950-1959, 9; and 1960-1967, 1).

<sup>2</sup> Death penalty illegal from Apr. 2, 1958, to Dec. 18, 1961. <sup>3</sup> Death penalty abolished.

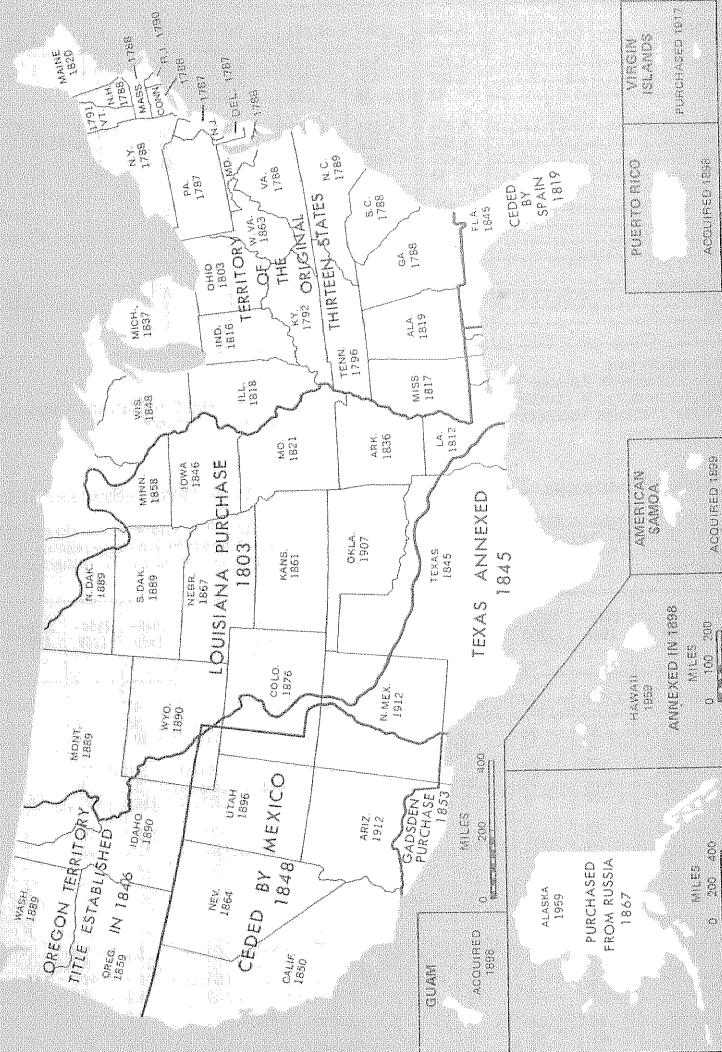
<sup>4</sup> Death penalty abolished January 1972. <sup>5</sup> Death penalty abolished, with exceptions, June 19, 1969.

<sup>6</sup> Capital punishment abolished after a referendum in Nov. 1964.

Source of tables 299 and 300: U.S. Law Enforcement Assistance Administration, *National Prisoner Statistics, Capital Punishment, 1974*, SD-NPS-CPS 3.

Fig. 6-1. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER PRINCIPAL AREAS

(See table 301)



Source: U.S. Bureau of the Census.

## Section 6

### Geography and Environment

This section relates to area, climatologic, topographic, and hydrologic measurements of the United States. There are few official publications other than those showing area measurements (issued infrequently by the Bureau of the Census) which present area and geography statistics of national scope. However, many data are compiled for particular regions or for internal administrative purposes by such Federal agencies as the Geological Survey and the National Oceanic and Atmospheric Administration.

**Area.**—Area measurements in the United States began with the country as a whole and developed, as mapping progressed, to measurements for the States. The annual report of the U.S. General Land Office for 1850 contained the first reference to the areas of the States and Territories, although there was no indication of the method used in obtaining the measurements. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time an account was given of the method and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States: 1940*, presenting data on the total land and inland water areas of the States, counties, places, and minor civil divisions. For reports of the 1950 and 1960 censuses, adjustments in selected area figures were made for reasons of changes in boundaries, development of water reservoirs, or improvement in maps from which measurements are made. In 1964, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1960 census. The results are published in *Area Measurement Reports, Series GE-20*, the series consisting of one report for each State and a U.S. summary. These reports include the same kinds of data as the 1940 report plus the 1960 population count and density for each area. Land areas as of January 1, 1970, of places with population of 2,500 and over are shown in *1970 Census of Population*, vol. 1, chapter A.

**Geography.**—The Geological Survey, cooperating with State and local agencies, is responsible for topographic, geologic, and hydrologic maps; basic data on the quantity, quality, and movement of surface and ground water; and classification of Federal lands for mineral and waterpower potential. The Bureau of Land Management conducts surveys and maintains records of the public domain and other public lands.

The National Ocean Survey is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, a basic network of geodetic control, and other basic data for engineering, scientific, commercial, industrial, and defense needs. It also furnishes Great Lakes navigators with charts and information on harbor facilities. It maintains records of the fluctuating levels of the Great Lakes, the precipitation over them, and the flow through connecting rivers, and issues reports on all hydraulic problems relating to them.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas such as unincorporated places, the urbanized areas around large cities, county subdivisions, and business districts, among others.

**Environment.**—The Council on Environmental Quality is responsible for coordinating all environmental quality programs and for reviewing all other Federal programs affecting the environment. Duties of the Environmental Protection Agency (EPA) include research and enforcement activities related to pollution abatement and control.

An air sampling network was initially established in 17 communities in 1953 by the U.S. Public Health Service. In 1957, the basic operation of the National Air Surveillance Network began with 94 urban particulate monitors and two rural monitors. The Network expanded through the 1960's to cover about 260 urban and 30 rural stations. The Network's objectives were to determine the extent and nature of air pollution and to study trends in levels of atmospheric contaminants. In 1972, the operation of the stations in this network was decentralized to the 10 regional EPA offices and many of the stations were in turn assimilated into the growing State-and locally operated air monitoring networks.

National Ambient Air Quality Standards for suspended particulate matter, sulfur dioxide, oxidants, carbon monoxide and nitrogen dioxide were set by EPA in April 1971. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. Non-Federal suspended particulate sampling stations increased from approximately 800 in 1969 to over 3,700 in 1974. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status of, and trends in, air quality.

**Climate.**—The National Oceanic and Atmospheric Administration, through the National Weather Service and the Environmental Data Service, is responsible for data on climate. It maintains about 11,000 weather stations, of which nearly 3,000 produce autographic precipitation records, about 600 take automatic or hourly readings of a series of weather elements, and the remainder record one observation a day.

Nearly all weather stations have been moved several times in their history. Consequently, the National Weather Service uses "normal" values of temperature and precipitation for comparative purposes rather than long-term means which are derived from records taken at the different locations the stations may have had over the years.

Normal values of temperature and precipitation are based on records for the 30-year period 1941 to 1970. For stations having records for the entire 30 years from the same instrument site, monthly precipitation and temperature normals are the means of the monthly values for the 30 years; for temperature, the normal maximum and normal minimum values were used to obtain monthly normals. The annual normal temperature is obtained by dividing by 2 the sum of the annual normal maximum value and the annual normal minimum value of temperature.

For stations that did not have continuous records from the same instrument site for the entire 30 years, 1941 to 1970, the means have been adjusted to the record at the present site. In these adjustments, a "difference factor" was used for temperature and a "ratio factor" for precipitation. These factors were determined by parallel comparison, either between records at the actual station sites or through a second station that had a continuous record to compare against both sites for obtaining the resultant adjustment factors. Normals were thereafter obtained as outlined above.

This system of normals has three characteristics: (1) The 30-year period (1941 to 1970) adopted for the computations is consistent with the term of years accepted by the World Meteorological Organization for climatic normals; (2) where the station and exposure for records in a given locality have been changed, the whole record has been carefully studied and adjusted to the latest source of records and reports; (3) the normals for maximum and minimum temperatures are separately tabulated.

The degree-day normals are derived from the values for the monthly normal maximum and minimum temperatures, and computed from the standard base 65° F. The heating degree day has been defined as follows: "A unit, based upon temperature difference and time, used in estimating fuel consumption and specifying nominal heating load in winter. For any one day, when the mean temperature is less than 65° F., there exist as many degree days as there are Fahrenheit degrees difference in the temperature between the average temperature for the day and 65° F."

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See preface.

## No. 301. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1960. See *Weights and Measures*, pp. x-xi. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2.

ACCESSION	Date	GROSS AREA (land and water)		ACCESSION	Date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total.....	1970	3,628,066	9,396,691	Other:			
United States.....	(x)	3,615,122	9,383,166	The Philippines <sup>1</sup> .....	1898	115,600	\$88,404
Territory in 1790 <sup>1</sup> .....	(x)	888,685	2,301,694	Puerto Rico.....	1899	3,435	8,897
Louisiana Purchase.....	1803	827,192	2,142,427	Guam.....	1899	212	549
By treaty with Spain:				American Samoa.....	1900	76	197
Florida.....	1819	58,550	151,670	Canal Zone <sup>2</sup> .....	1904	553	1,432
Other areas.....	1819	13,443	34,817	Corn Islands <sup>3</sup> .....	1914	4	10
Texas.....	1845	390,143	1,010,470	Virgin Islands of the U.S. ....	1917	133	344
Oregon.....	1846	285,580	739,652	Trust Territory of the Pacific Islands <sup>4</sup> .....	1947	8,489	21,987
Mexican Cession.....	1848	529,017	1,370,154	All other <sup>5</sup> .....	(x)	42	109
Gadsden Purchase.....	1853	29,640	76,768				
Alaska.....	1867	588,412	1,518,807				
Hawaii.....	1898	6,450	16,706				

X. Not applicable.

<sup>1</sup> Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase.

<sup>2</sup> Not included in total. Ceded by Spain in 1898, the Philippines constituted a territorial possession of the United States from 1898 to 1946. Granted independence as of July 4, 1946, they then became the Republic of the Philippines.

<sup>3</sup> Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. <sup>4</sup> Acquired 1898; ratified 1899. <sup>5</sup> Acquired 1899; ratified 1900.

<sup>6</sup> Under jurisdiction of United States in accordance with treaty of Nov. 18, 1903, with Republic of Panama.

<sup>7</sup> Included in total for 1970. Leased (1914) from Republic of Nicaragua for 99 years but returned April 1971.

<sup>8</sup> Under trusteeship. See table 4, footnotes 8 and 11.

<sup>9</sup> Comprises following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Canton and Enderbury (combined area, 27), Swan (1), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston and Sand (combined area, less than 0.5), Kingman Reef, Quita Suelo Bank, Roncador Cay, and Serrano Bank (each less than 0.5), and other islands for which area figures are not available.

Source: U.S. Bureau of the Census, unpublished data.

## No. 302. COASTLINE OF THE UNITED STATES, BY STATES

[See *Weights and Measures*, pp. x-xi]

STATE	GENERAL COASTLINE <sup>1</sup>		TIDAL SHORELINE <sup>2</sup>		STATE	GENERAL COASTLINE <sup>1</sup>		TIDAL SHORELINE <sup>2</sup>	
	Miles <sup>3</sup>	Kilo- meters	Miles <sup>3</sup>	Kilo- meters		Miles <sup>3</sup>	Kilo- meters	Miles <sup>3</sup>	Kilo- meters
U.S. ....	12,883	19,924	88,633	142,610	Gulf coast.....	1,631	2,624	17,141	27,580
Atlantic coast.....	2,069	3,329	28,673	46,135	Ala.....	53	85	607	977
Conn.....	-	-	618	994	Fla.....	770	1,230	5,095	8,198
Del.....	28	45	381	613	La.....	397	639	7,721	12,423
Fla.....	580	933	3,331	5,360	Miss.....	44	71	359	578
Ga.....	100	161	2,344	3,771	Tex.....	387	591	3,359	5,405
Maine.....	228	367	3,478	5,596	Pacific coast.....	7,623	12,265	40,298	64,839
Md.....	31	50	3,190	5,133	Alaska.....	5,580	8,978	31,383	50,495
Mass.....	192	309	1,519	2,444	Calif.....	840	1,352	3,427	5,514
N.H.....	13	21	131	211	Hawaii.....	760	1,207	1,052	1,693
N.J.....	130	209	1,792	2,883	Oreg.....	298	476	1,410	2,269
N.Y.....	127	204	1,850	2,977	Wash.....	187	253	3,026	4,869
N.C.....	301	484	3,876	5,430	Arctic coast, Alaska.....	1,060	1,706	2,521	4,056
Pa.....	-	-	89	143					
R.I.....	40	64	384	618					
S.C.....	187	301	2,876	4,627					
Va.....	112	180	3,315	5,334					

<sup>1</sup> Represents zero.

<sup>2</sup> Figures are lengths of general outline of seacoast. Measurements were made with a unit measure of 30 minutes of latitude on charts as near the scale of 1:1,200,000 as possible. Coastline of sounds and bays is included to a point where they narrow to width of unit measure, and includes the distance across at such point.

<sup>3</sup> Statute. <sup>4</sup> Figures obtained in 1939-1940 with a recording instrument on the largest-scale charts and maps then available. Shoreline of outer coast, offshore islands, sounds, bays, rivers, and creeks is included to the head of tidewater or to a point where tidal waters narrow to a width of 100 feet.

Source: U.S. National Oceanic and Atmospheric Administration, *Coastline of the United States*, April 1, 1961.

## Geography and Environment

## No. 303. AREA OF STATES AND OTHER AREAS: 1970

[See *Weights and Measures*, pp. x-xi. See also *Historical Statistics, Colonial Times to 1970*, series A 210-263 for land area.]

STATE OR OTHER AREA	Year of admission to statehood	Rank order	AREA					
			Total		Land <sup>1</sup>		Water <sup>2</sup>	
			Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States.....	(X)	(X)	3,615,122	9,363,166	3,536,855	9,160,454	78,267	202,712
New England.....	(X)	(X)	66,608	172,515	62,951	163,043	3,657	9,472
Maine.....	1820	39	38,215	86,027	30,920	80,083	2,205	5,944
New Hampshire.....	1788	44	9,304	24,097	9,027	23,380	277	717
Vermont.....	1791	43	9,609	24,887	9,267	24,002	342	886
Massachusetts.....	1788	45	8,257	21,386	7,826	20,260	431	1,116
Rhode Island.....	1790	50	1,214	3,144	1,049	2,717	165	427
Connecticut.....	1788	48	5,009	12,973	4,862	12,503	147	381
Middle Atlantic.....	(X)	(X)	102,745	266,110	100,318	259,824	2,427	6,286
New York.....	1788	30	49,576	128,402	47,831	123,882	1,745	4,520
New Jersey.....	1787	46	7,836	20,295	7,521	19,479	315	816
Pennsylvania.....	1787	33	45,333	117,412	44,366	116,462	367	951
East North Central.....	(X)	(X)	248,283	643,083	244,101	632,222	4,182	10,831
Ohio.....	1803	35	41,222	106,765	40,975	106,125	247	640
Indiana.....	1816	38	36,291	93,994	36,097	93,491	191	502
Illinois.....	1818	24	56,400	146,076	55,748	144,387	652	1,689
Michigan.....	1837	23	58,216	150,779	56,817	147,156	3,399	3,623
Wisconsin.....	1848	28	56,154	145,439	54,464	141,082	1,600	4,377
West North Central.....	(X)	(X)	517,247	1,339,670	507,723	1,315,003	9,524	24,667
Minnesota.....	1858	12	84,088	217,738	79,289	205,359	4,779	12,378
Iowa.....	1846	25	56,290	145,791	55,941	144,887	349	904
Missouri.....	1821	19	69,686	180,487	68,995	178,697	691	1,790
North Dakota.....	1889	17	70,665	183,022	69,273	179,417	1,392	3,605
South Dakota.....	1889	16	77,047	199,552	75,955	196,723	1,092	2,828
Nebraska.....	1867	15	77,227	200,018	76,483	198,091	744	1,927
Kansas.....	1861	14	82,264	213,064	81,787	211,828	477	1,235
South Atlantic.....	(X)	(X)	278,776	722,030	266,970	691,452	11,806	30,578
Delaware.....	1787	49	2,057	5,328	1,982	5,133	75	194
Maryland.....	1788	42	10,577	27,394	9,891	25,018	686	1,777
District of Columbia.....	(X)	(X)	67	174	61	158	6	16
Virginia.....	1788	36	40,817	105,716	39,780	103,030	1,037	2,696
West Virginia.....	1863	41	24,181	62,629	24,070	62,341	111	287
North Carolina.....	1789	28	52,586	136,198	48,798	126,387	3,788	9,811
South Carolina.....	1788	40	31,055	80,432	30,225	78,283	830	2,150
Georgia.....	1788	21	58,876	152,489	58,073	150,409	803	2,080
Florida.....	1845	22	58,560	151,670	54,090	140,093	4,470	11,577
East South Central.....	(X)	(X)	181,964	471,287	178,982	463,563	2,982	7,723
Kentucky.....	1792	37	40,305	104,623	39,650	102,894	745	1,930
Tennessee.....	1796	34	42,244	109,412	41,328	107,040	916	2,372
Alabama.....	1819	29	51,609	133,667	50,708	131,334	901	2,334
Mississippi.....	1817	32	47,716	123,584	47,206	122,497	420	1,088
West South Central.....	(X)	(X)	438,884	1,136,710	427,791	1,107,979	11,093	28,731
Arkansas.....	1836	27	53,104	137,539	51,945	134,538	1,159	3,002
Louisiana.....	1812	31	48,523	125,675	44,930	116,369	3,503	9,806
Oklahoma.....	1907	18	69,919	181,090	68,782	178,145	1,137	2,045
Texas.....	1845	2	267,338	692,405	262,134	678,927	5,204	13,473
Mountain.....	(X)	(X)	863,887	2,237,467	856,047	2,217,162	7,840	20,306
Montana.....	1889	4	147,138	381,087	145,587	377,070	1,551	4,017
Idaho.....	1890	13	83,557	216,413	82,677	214,133	880	2,279
Wyoming.....	1890	9	97,914	253,597	97,203	251,756	711	1,841
Colorado.....	1876	8	104,247	270,000	103,766	268,754	481	1,246
New Mexico.....	1912	5	121,686	315,115	121,412	314,457	254	653
Arizona.....	1912	6	118,909	295,024	118,417	293,750	492	1,274
Utah.....	1896	11	84,916	219,932	82,096	212,029	2,820	7,304
Nevada.....	1864	7	110,540	286,299	101,880	284,613	651	1,688
Pacific.....	(X)	(X)	916,728	2,374,326	891,972	2,310,207	24,756	64,118
Washington.....	1889	20	68,192	176,617	66,570	172,416	1,622	4,201
Oregon.....	1850	10	66,981	251,181	66,184	249,117	797	2,064
California.....	1850	3	158,693	411,015	156,361	404,975	2,332	6,040
Alaska.....	1959	1	586,412	1,518,807	566,432	1,467,059	19,980	51,748
Hawaii.....	1959	47	6,450	16,708	6,425	16,641	25	65

<sup>1</sup> Represents zero. <sup>2</sup> Not applicable. <sup>3</sup> Dry land and land temporarily or partially covered by water, as marshland, swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

<sup>2</sup> Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth of a statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water; and islands having less than 40 acres of area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water.

<sup>3</sup> Year of ratification of Constitution; one of the original 13 States. <sup>4</sup> See table 4, footnotes 7, 8, and 11.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970*, vol. I, and *Area Measurement Reports*, series GF-20, No. 1.

# Water Areas—Rivers

181

## No. 304. WATER AREA, OTHER THAN INLAND WATER—STATES

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 303. See *Weights and Measures*, pp. x-xi]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Total.....	74,364	192,603	Gulf of Mexico coastal water.....	3,827	9,938
Alabama.....	580	1,450	Alabama.....	580	1,450
Florida.....	1,698	4,398	Florida.....	1,698	4,398
Louisiana.....	1,016	2,631	Louisiana.....	1,016	2,631
Mississippi.....	556	1,440	Mississippi.....	556	1,440
Texas.....	7	18	Texas.....	7	18
Atlantic coastal water.....	2,298	5,952	Lake Michigan.....	22,178	57,441
Florida.....	37	96	Illinois.....	1,528	3,962
Georgia.....	48	124	Indiana.....	228	591
Maine.....	1,102	2,854	Michigan.....	13,037	33,766
Massachusetts.....	959	2,484	Wisconsin.....	7,387	19,182
Rhode Island.....	14	36	New York Harbor.....	92	238
South Carolina.....	138	357	New Jersey.....	69	179
Chesapeake Bay.....	8,237	8,384	New York.....	23	60
Maryland.....	1,726	4,470	Lake Ontario: New York.....	3,033	7,855
Virginia.....	1,611	3,913	Pacific coastal water.....	343	888
Delaware Bay.....	665	1,722	California.....	69	179
Delaware.....	350	907	Oregon.....	48	124
New Jersey.....	315	816	Washington.....	226	588
Lake Erie.....	5,002	12,955	Puget Sound: Washington.....	561	1,453
Michigan.....	216	559	Lake St. Clair: Michigan.....	116	300
New York.....	594	1,538	Lake Superior.....	21,118	54,896
Ohio.....	3,467	8,954	Michigan.....	16,231	42,038
Pennsylvania.....	735	1,904	Minnesota.....	2,212	5,729
Straits of Georgia and Juan de Fuca: Washington.....	1,610	4,170	Wisconsin.....	2,675	6,928
Lake Huron: Michigan.....	8,976	23,246			
Long Island Sound.....	1,299	3,364			
Connecticut.....	573	1,484			
New York.....	728	1,880			

Source: U.S. Bureau of the Census, *Areas of the United States: 1940*.

## No. 305. LENGTHS OF PRINCIPAL RIVERS

[Comprises rivers 600 miles or more in length. Length represents distance to designated outflow from (a) original headwater of named river where name applies to entire length of channel, or (b) upper limit of channel so named, usually the junction of 2 tributaries or headwater streams. See *Weights and Measures*, pp. x-xi]

RIVER/OUTFLOW	LENGTH		RIVER/OUTFLOW	LENGTH	
	Miles	Kilo-meters		Miles	Kilo-meters
Arkansas/Mississippi River.....	1,450	2,333	Missouri-Red Rock/Mississippi River.....	2,564	4,125
Brazos/Gulf of Mexico.....	1,309	2,108	Mobile-Alabama-Coosa/Mobile Bay.....	639	1,028
Canadian/Arkansas River.....	906	1,468	North Canadian/Canadian River.....	784	1,261
Cimarron/Arkansas River.....	698	1,123			
Colorado (U.S.-Mex.)/Gulf of Calif.....	1,450	2,333	North Platte/Platte River.....	680	1,094
Colorado (Texas)/Matagorda Bay.....	894	1,438	Ohio/Mississippi River.....	981	1,578
Columbia/Pacific Ocean.....	1,214	1,953	Ohio-Allegheny/Mississippi River.....	1,306	2,101
Columbia, Upper/to mouth of Snake River.....	890	1,432	Ouachita/Red River.....	605	973
Cumberland/Ohio River.....	687	1,105	Pecos/Rio Grande.....	926	1,490
Gila/Colorado River.....	630	1,014	Red (Okla.-Tex.-La.)/Mississippi River.....	1,292	1,966
Green (Utah-Wyo.)/Colorado River.....	730	1,175	Rio Grande/Gulf of Mexico.....	1,886	3,038
James (N.Dak.-S.Dak.)/Missouri River.....	710	1,142	St. Lawrence/Lake Ontario.....	800	1,287
Kuskokwim/Kuskokwim Bay.....	800	1,287	Snake/Columbia River.....	1,000	1,609
Milk/Missouri River.....	625	1,006	Tanana/Yukon River.....	800	1,287
Mississippi/Mouth of SW Pass.....	2,348	3,778	Tennessee/Ohio River.....	652	1,049
Mississippi, Upper/to mouth of Missouri River.....	1,171	1,884	Tennessee-French Broad/Ohio River.....	869	1,398
Mississippi-Missouri-Red Rock/Mouth of SW Pass.....	3,741	6,010	Trinity/Trinity Bay.....	715	1,150
Missouri/Mississippi River.....	2,315	3,725	Washita/Red River.....	626	1,007

Source: U.S. Corps of Engineers, unpublished data.

## No. 306. EXTREME AND MEAN ELEVATIONS—STATES AND OTHER AREAS

[See *Weights and Measures*, pp. x–xi]

STATE OR OTHER AREA	HIGHEST POINT		LOWEST POINT		APPROXIMATE MEAN ELEVATION			
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters		
U.S.	Mount McKinley.....	20,320	6,198	Death Valley.....	-282	-86	2,500	763
Ala.	Cheaha Mountain.....	2,407	734	Gulf of Mexico.....	(1)	(1)	500	153
Alaska	Mount McKinley.....	20,320	6,198	Pacific Ocean.....	(1)	(1)	1,900	580
Ariz.	Humphreys Peak.....	12,633	3,853	Colorado River.....	70	21	4,100	1,251
Ark.	Magazine Mountain.....	2,753	840	Ouachita River.....	55	17	650	108
Calif.	Mount Whitney.....	14,494	4,421	Death Valley.....	-282	-86	2,900	885
Colo.	Mount Elbert.....	14,433	4,402	Arkansas River.....	3,350	1,022	6,800	2,074
Conn.	Mt. Frissell, on South slope.....	2,380	726	Long Island Sound.....	(1)	(1)	500	753
Del.	Ebright Road.....	442	135	Atlantic Ocean.....	(1)	(1)	60	18
D.C.	Tenleytown.....	410	125	Potomac River.....	1	(2)	150	46
Fla.	Sec. 30, T6N, R20W, Walton County <sup>2</sup> .....	345	105	Atlantic Ocean.....	(1)	(1)	100	31
Ga.	Brasstown Bald.....	4,784	1,459	Atlantic Ocean.....	(1)	(1)	600	183
Hawaii	Mauna Kea.....	13,706	4,208	Pacific Ocean.....	(1)	(1)	3,030	924
Idaho	Borah Peak.....	12,662	3,862	Snake River.....	710	217	5,000	1,525
Ill.	Charles Mound.....	1,235	377	Mississippi River.....	279	85	600	183
Ind.	Franklin Twp., Wayne Co., Sec. 29, T10N, R41W, Osceola County.....	1,257	383	Ohio River.....	320	98	700	214
Iowa	Mount Sunflower.....	1,670	509	Mississippi River.....	480	146	1,100	336
Kans.	Black Mountain.....	4,030	1,232	Verdigris River.....	680	207	2,000	610
Ky.	Driskill Mountain.....	4,145	1,264	Mississippi River.....	257	78	750	220
La.	Mount Katahdin.....	535	163	New Orleans.....	-5	-2	100	31
Maine	Backbone Mountain, near Kempton, W. Va.....	5,268	1,607	Atlantic Ocean.....	(1)	(1)	600	183
Md.	Mount Greylock.....	3,380	1,025	Atlantic Ocean.....	(1)	(1)	350	107
Mass.	Mount Curwood.....	3,491	1,065	Atlantic Ocean.....	(1)	(1)	500	153
Mich.	Eagle Mountain, Cook Co., Woodall Mountain, near Iuka.....	2,301	702	Lake Erie.....	572	174	900	275
Minn.	Granite Peak.....	12,799	3,904	Lake Superior.....	602	184	1,200	386
Miss.	Johnson Twp., Kimball Co., T12N, R59W <sup>1</sup> .....	5,426	1,665	Gulf of Mexico.....	(1)	(1)	300	92
Mo.	Taum Sauk Mountain.....	1,772	540	St. Francis River.....	230	70	800	244
Mont.	Boundary Peak.....	12,799	3,904	Kootenai River.....	1,800	549	3,400	1,037
Nebr.	Mount Washington.....	13,143	4,008	Southeast corner of State.....	840	256	2,600	793
Nev.	Mount Washington.....	6,288	1,918	Colorado River.....	470	143	5,500	1,678
N.H.	High Point.....	1,803	550	Atlantic Ocean.....	(1)	(1)	1,000	305
N.J.	Wheeler Peak.....	13,161	4,014	Red Bluff Reservoir.....	2,817	859	5,700	1,739
N.Y.	Mount Marey.....	5,344	1,630	Atlantic Ocean.....	(1)	(1)	1,000	305
N.C.	Mount Mitchell.....	6,684	2,039	Atlantic Ocean.....	(1)	(1)	700	214
N.Dak.	White Butte, Slope Co.	3,506	1,069	Red River.....	750	229	1,900	580
Ohio	Campbell Hill.....	1,550	473	Ohio River.....	433	132	850	259
Okla.	Black Mesa.....	4,973	1,517	Little River.....	287	88	1,300	397
Oreg.	Mount Hood.....	11,235	3,427	Pacific Ocean.....	(1)	(1)	3,300	1,007
Pa.	Mount Davis.....	3,213	980	Delaware River.....	(1)	(1)	1,100	336
R.I.	Jerimoth Hill.....	812	248	Atlantic Ocean.....	(1)	(1)	200	61
S.C.	Sassafras Mountain.....	3,560	1,086	Atlantic Ocean.....	(1)	(1)	350	107
S.Dak.	Harney Peak.....	7,242	2,209	Big Stone Lake.....	962	293	2,200	671
Tenn.	Clingmans Dome.....	6,643	2,026	Mississippi River.....	182	56	900	275
Tex.	Guanadape Peak.....	8,751	2,660	Gulf of Mexico.....	(1)	(1)	1,700	510
Utah	Kings Peak.....	13,522	4,128	Reaverdant Creek.....	2,000	610	6,100	1,861
Vt.	Mount Mansfield.....	4,393	1,340	Lake Champlain.....	95	29	1,000	305
Va.	Mount Rogers.....	5,729	1,747	Atlantic Ocean.....	(1)	(1)	950	290
Wash.	Mount Rainier.....	14,410	4,395	Pacific Ocean.....	(1)	(1)	1,700	519
W.Va.	Spruce Knob.....	4,803	1,483	Potomac River.....	240	73	1,500	458
Wis.	Timms Hill.....	1,952	595	Lake Michigan.....	581	177	1,050	314
Wyo.	Gannett Peak.....	13,804	4,210	Belle Fourche River.....	3,100	946	6,700	2,044
Other areas:								
P.Rico.	Cerro de Punta.....	4,389	1,339	Atlantic Ocean.....	(1)	(1)	1,800	549
Am.								
Samoa	Lata Mountain.....	3,160	954	Pacific Ocean.....	(1)	(1)	1,300	397
C.Zone.	Cerro Galera.....	1,205	368	Atlantic Ocean.....	(1)	(1)	280	85
Guam	Mount Lamlam.....	1,329	405	Pacific Ocean.....	(1)	(1)	330	101
V.Isls.	Crown Mountain.....	1,556	475	Atlantic Ocean.....	(1)	(1)	750	229

<sup>1</sup> Less than .5 meter. <sup>2</sup> Sea level. <sup>2</sup> "Sec." denotes section; "T," township; "R," range; "N," north; "W," west.

# Natural Lakes—Water Use

183

## No. 307. AREAS OF SELECTED NATURAL LAKES

[Comprises lakes with surface area of 150 square miles or more. See *Weights and Measures*, pp. x-xi]

LAKE AND LOCATION	AREA		LAKE AND LOCATION	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Becharof (Alaska)	458	1,186	Leech (Minn.)	176	456
Champlain (N.Y., Vt., and Canada)	490	1,269	Mille Lacs (Minn.)	207	536
Flathead (Montana)	197	510	Naknek (Alaska)	242	627
Great Salt (Utah)	2,172	4,450	Okeechobee (Fla.)	700	1,813
Illinoia (Alaska)	1,000	2,590	Fontchartrain (La.)	625	1,619
Lake Erie (Mich., N.Y., Ohio, Pa., and Canada)	9,940	25,745	Pyramid (Nev.)	2,172	2,445
Lake Huron (Mich. and Canada)	23,010	59,598	Rainy (Minn. and Canada)	345	894
Lake Michigan (Ill., Ind., Mich., and Wis.)	22,400	58,016	Red Lake, Upper and Lower (Minn.)	451	1,168
Lake Ontario (N.Y. and Canada)	7,640	19,529	St. Clair (Mich. and Canada)	480	1,191
Lake Superior (Mich., Minn., Wis., and Canada)	31,820	82,414	Salton Sea (Calif.)	2,366	2,948
Lake of the Woods (Minn. and Canada)	1,485	3,846	Tahoe (Calif. and Nev.)	193	500
			Teshekpuk (Alaska)	315	816
			Winnebago (Wis.)	215	557

<sup>1</sup> Salty. <sup>2</sup> Variable. Estimated from elevation of water surface as of December 1975.

Source: U.S. Geological Survey, *Principal Lakes of the United States*, Circular 476.

## No. 308. ESTIMATED WATER USE: 1940 TO 1975, AND PROJECTIONS TO 1985

[Daily average. See *Weights and Measures*, pp. x-xi. See also *Historical Statistics, Colonial Times to 1970*, series J 92-103]

YEAR	TOTAL WATER USE <sup>1</sup>		IRRIGATION <sup>2</sup>		PUBLIC WATER UTILITIES		SELF-SUPPLIED USES					
	Total	Ground	Total	Ground	Total	Ground	Rural domestic <sup>3</sup>		Industrial and miscellaneous <sup>4</sup>		Steam electric utilities	
							Total	Ground	Total	Ground	Total	Ground
GALLONS (bil.)												
1940	136.43	22.56	71.03	11.22	10.10	2.82	3.10	2.64	29.00	5.86	23.20	.02
1950	202.70	35.19	100.00	19.80	14.10	3.78	4.60	4.00	38.10	7.47	45.90	.05
1960	322.90	58.17	135.00	35.24	22.00	5.68	6.00	5.58	61.20	11.57	98.70	.10
1965	269.62	48.57	110.85	30.04	23.74	5.96	4.08	3.86	46.41	8.63	84.54	.08
1970	377.50	68.18	130.00	46.80	27.03	6.65	4.50	3.61	46.00	6.00	170.00	.12
1975	370.80	68.47	179.05	45.00	29.14	9.40	4.33	3.60	65.68	9.00	92.60	1.47
1985	350.47	63.70	184.98	45.00	32.34	5.00	4.45	3.70	41.90	9.00	86.80	1.00
LITERS (bil.)												
1940	516.30	85.30	268.85	42.47	38.23	10.67	11.73	9.09	100.77	22.18	87.81	.08
1950	767.22	133.19	378.50	71.94	53.37	14.31	17.41	15.48	144.21	28.27	173.73	.10
1960	1,222.18	220.17	510.98	133.38	82.27	21.50	22.71	21.12	231.64	43.79	373.58	.38
1965	1,020.51	183.84	410.57	113.70	89.86	22.56	15.44	14.61	175.66	32.66	319.98	.30
1970	1,428.95	239.14	492.05	177.14	102.31	25.17	17.03	13.68	174.11	22.71	643.45	.45
1975	1,403.48	250.16	677.70	170.33	110.30	35.58	16.39	13.63	248.60	34.07	350.49	5.56
1985	1,326.53	241.10	700.15	170.33	122.41	18.93	16.84	14.00	158.59	34.07	328.64	3.79

<sup>1</sup> Decline in water use in 1975 and 1985 reflects the increasing use of recycled treated effluents and cooling water by industrial water users and steam electric utilities.

<sup>2</sup> Total take, including delivery losses but not including reservoir evaporation.

<sup>3</sup> Rural farm and nonfarm household and garden use, and water for farm stock and dairies.

<sup>4</sup> For 1940-1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and other miscellaneous uses; thereafter, includes manufacturing, mining and mineral processing, ordinance, and construction.

Source: U.S. Bureau of Domestic Commerce, 1940-1960 based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, 1960; thereafter, based on the first *National Assessment of the Water Resources Council*, 1968; U.S. Geological Survey Circular 676, *Estimated Use of Water in the United States in 1970*; and preliminary reports of the 1975 National Assessment of the Water Resources Council.

## Geography and Environment

## No. 309. WATER WITHDRAWN PER DAY—STATES AND PUERTO RICO: 1970

[Quantities are given to two significant figures; therefore, figures do not add to totals. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power.]

STATE OR OTHER AREA	WATER WITHDRAWN			STATE OR OTHER AREA	WATER WITHDRAWN			Fresh water con- sumed <sup>2</sup>
	Per capita <sup>1</sup>	Total	Surface		Per capita <sup>1</sup>	Total	Surface	
Total.....	1,800	370,000	300,000	87,000	Montana.....	12,000	8,000	5,500
Alabama.....	1,900	6,700	6,400	230	Nebraska.....	4,100	6,000	3,700
Alaska.....	830	250	210	16	New Hampshire.....	6,700	3,300	1,500
Arizona.....	3,900	6,800	2,800	4,800	New Jersey.....	940	700	630
Arkansas.....	1,600	3,000	1,800	1,200	New Mexico.....	870	6,300	5,200
California.....	2,400	48,000	29,000	22,000	Montana.....	3,100	3,200	1,600
Colorado.....	6,000	13,000	11,000	6,800	North Carolina.....	970	18,000	17,000
Connecticut.....	1,200	3,500	3,300	180	North Dakota.....	1,200	5,900	5,400
Delaware.....	2,200	1,200	1,100	26	Ohio.....	1,000	650	550
Dist. of Columbia.....	1,700	1,300	1,300	16	Ohio.....	1,700	18,000	17,000
Florida.....	2,300	15,000	12,000	1,900	Oklahoma.....	590	1,500	620
Georgia.....	1,200	5,300	4,700	420	Oregon.....	2,800	5,900	5,000
Hawaii.....	3,500	2,700	1,700	810	Pennsylvania.....	1,700	20,000	19,000
Idaho.....	22,000	18,000	13,000	4,700	Rhode Island.....	490	460	430
Illinois.....	1,400	16,000	15,000	360	South Carolina.....	1,300	3,400	3,200
Indiana.....	1,700	8,600	8,200	390	South Dakota.....	910	600	250
Iowa.....	750	2,100	1,600	240	Tennessee.....	1,600	6,400	6,100
Kansas.....	1,700	3,800	610	2,600	Texas.....	2,400	27,000	18,000
Kentucky.....	1,400	4,500	4,300	180	Texas.....	4,000	4,200	3,500
Louisiana.....	2,500	9,100	7,500	2,200	Utah.....	250	110	89
Maine.....	780	760	720	61	Vermont.....	1,200	5,500	5,300
Maryland.....	1,800	5,200	4,900	140	Virginia.....	2,100	7,200	6,300
Massachusetts.....	740	4,200	3,900	140	West Virginia.....	8,300	5,800	5,700
Michigan.....	1,600	18,000	12,000	330	Wisconsin.....	1,400	6,300	5,800
Minnesota.....	900	3,400	2,700	310	Wyoming.....	17,000	5,800	5,500
Mississippi.....	950	2,100	1,300	410	Puerto Rico.....	1,100	3,000	2,900
Missouri.....	750	8,500	3,100	310	Puerto Rico.....	1,100	3,000	2,900

<sup>1</sup> Based on population as of April 1. <sup>2</sup> Evaporated, transpired, or incorporated into products; excludes irrigation conveyance losses by evapotranspiration.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1970*, Circular 676.

## No. 310. PERCENT OF POPULATION USING FLUORIDATED WATER—STATES AND PUERTO RICO: 1972

As of December 31. Covers both natural and controlled fluoridation. See *Historical Statistics, Colonial Times to 1970*, series B 453-459 for related data]

STATE OR OTHER AREA	Total <sup>1</sup>	Using public water <sup>2</sup>	STATE OR OTHER AREA	Total <sup>1</sup>	Using public water <sup>2</sup>	STATE OR OTHER AREA	Total <sup>1</sup>	Using public water <sup>2</sup>
Total.....	46,0	59,2	Ky.....	46.4	81.2	Ohio.....	42.3	54.4
Ala.....	25.9	41.0	La.....	8.0	10.6	Oklahoma.....	57.0	75.5
Alaska.....	44.2	80.5	Maine.....	38.9	62.0	Oreg.....	16.5	21.7
Ariz.....	17.5	20.0	Mass.....	77.5	98.6	Pa.....	43.5	53.4
Ark.....	37.0	68.5	Mich.....	14.9	15.6	R.I.....	81.4	90.9
Calif.....	18.4	19.6	Minn.....	64.1	91.2	S.C.....	36.6	65.0
Colo.....	73.8	90.0	Miss.....	74.3	99.0	S. Dak.....	53.5	92.0
Conn.....	78.2	90.9	Mo.....	22.5	44.6	Tenn.....	44.3	67.9
Del.....	40.5	54.6	N.J.....	45.6	61.9	Tex.....	51.4	63.8
D.C.....	100.0	100.0	Mont.....	19.9	29.5	Utah.....	2.5	2.7
Fla.....	29.0	37.5	Nebr.....	48.2	67.4	Vt.....	26.6	45.7
Ga.....	47.7	68.5	Nev.....	3.3	3.9	Va.....	62.3	97.0
Hawaii.....	12.8	13.3	N.H.....	11.6	17.6	Wash.....	38.8	46.6
Idaho.....	17.9	27.5	N.J.....	13.1	14.8	W. Va.....	51.5	84.2
Ill.....	85.3	99.0	N.Mex.....	40.2	55.5	Wis.....	62.0	95.5
Ind.....	59.4	89.3	N.Y.....	67.0	76.3	Wyo.....	30.0	40.6
Iowa.....	56.2	81.7	N.C.....	38.5	75.6	Puerto Rico.....	67.5	93.7
Kans.....	45.3	59.3	N. Dak.....	48.6	92.4			

<sup>1</sup> Population estimates derived from Bureau of the Census, *Current Population Reports*, series P-25, No. 468.

<sup>2</sup> Estimates derived from U.S. Census of Housing: 1960, series II C (1), Nos. 1-52. Includes adjustments for population growth.

Source: U.S. National Center for Health Statistics, unpublished data.

**No. 311. FEDERAL FUNDS FOR POLLUTION CONTROL AND ABATEMENT—SUMMARY: 1970 TO 1976**

[In millions of dollars. For years ending June 30. Obligations refer to liabilities, contracts, and other commitments entered into requiring the payment of money by the Government. Outlays refer to the issuance of checks or disbursements of cash by the Government to liquidate obligations. Outlays during any fiscal year may be payments of obligations incurred in prior years or in the same year]

MEDIA OR POLLUTANT	OBLIGATIONS					AGENCY	OUTLAWS				
	1970	1973	1974	1975	1976 est.		1970	1973	1974	1975	1976 est.
<b>Total</b>	<b>1,071</b>	<b>4,676</b>	<b>4,333</b>	<b>6,103</b>	<b>6,582</b>	<b>Total</b>	<b>751</b>	<b>1,925</b>	<b>2,974</b>	<b>3,571</b>	<b>4,467</b>
Water	677	3,730	3,465	5,170	5,492	EPA <sup>3</sup>	388	1,113	2,032	2,530	3,103
Air	189	461	490	348	334	Energy, Research & Div. Admin. <sup>4</sup>	110	174	104	150	200
Land	35	61	40	57	66	Dept. of Defense	42	156	240	355	495
Living things, materials, etc.	100	293	191	434	573	Dept. of Agriculture <sup>5</sup>	91	121	123	143	168
Multi-media <sup>1</sup>	89	131	147	85	117	Dept. of Interior	37	97	41	53	52
Selected pollutants: <sup>2</sup>						Dept. of Commerce <sup>6</sup>	22	102	58	52	55
Radiation	116	181	121	160	189	Dept. of Transportation	11	51	59	80	95
Noise	36	66	61	50	78	National Aeronautics and Space Admin.	15	34	23	75	83
Pesticides	30	61	64	59	69	Other	30	77	294	124	126
Solid wastes	20	150	109	174	196						

<sup>1</sup> More than one of media shown above. <sup>2</sup> Funds for "Selected pollutants" included in "media" breakdown above. <sup>3</sup> Environmental Protection Agency. Includes funds for activities carried out by U.S. Departments of Health, Education, and Welfare; Agriculture; Interior; and by Atomic Energy Commission and Federal Radiation Council prior to Dec. 2, 1970.

<sup>4</sup> Atomic Energy Commission was disestablished and ERDA activated on Jan. 19, 1975. Positions and functions were transferred from AEC, EPA, NSF, and Dept. of the Interior to this new agency. 1974 and 1975 amounts for these agencies have been adjusted for comparability.

<sup>5</sup> Beginning 1973, includes expenditures for water and sewer programs.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

**No. 312. NATIONAL EXPENDITURES FOR POLLUTION ABATEMENT AND CONTROL: 1972 AND 1973**

[In millions of dollars. Excludes agricultural business, real estate operators, private medical, legal, educational, and cultural services, and nonprofit organizations]

ITEM	1972					1973 (prel.)				
	Total	Air	Water	Solid waste	Other <sup>1</sup>	Total	Air	Water	Solid waste	Other <sup>1</sup>
<b>Total expenditures</b>	<b>19,513</b>	<b>7,097</b>	<b>8,547</b>	<b>4,079</b>	<b>-210</b>	<b>23,020</b>	<b>9,194</b>	<b>9,627</b>	<b>4,396</b>	<b>-197</b>
Pollution abatement	18,334	6,424	8,270	4,039	-398	21,635	8,447	9,277	4,347	-435
Personal consumption	1,804	1,804	-	-	-	2,818	2,818	-	-	-
Durable goods	452	452	-	-	-	676	676	-	-	-
Non durable goods and services	1,352	1,352	-	-	-	2,142	2,142	-	-	-
Business	10,743	4,438	4,300	2,407	-401	12,673	5,408	5,115	2,527	-437
On capital account	5,281	2,539	2,444	298	-	6,395	3,318	2,020	360	-
On current account	5,463	1,809	1,856	2,108	-401	6,075	2,150	2,195	2,167	-437
Private purchases	4,074	1,824	728	2,108	14	5,120	2,052	883	2,167	18
Government enterprise purchase	1,204	76	1,128	-	-	1,410	98	1,313	-	-
Costs recovered	415	-	-	-	-415	-455	-	-	-	-455
Government	5,787	182	3,970	1,632	3	6,144	161	4,161	1,819	2
Federal purchases	153	61	85	5	3	212	49	146	16	2
State and local purchases	2,043	(2)	415	1,628	1	2,206	(2)	402	1,808	1
Government enterprise purchases of fixed capital	3,591	121	3,470	-	-	3,726	112	3,614	-	-
Regulation and monitoring	357	142	136	13	66	483	164	186	16	117
Federal purchases	200	48	70	9	64	278	50	99	14	115
State and local purchases	157	94	58	3	2	205	115	88	2	2
Research and development	822	531	141	27	122	902	583	164	33	122
Private purchases	518	410	68	12	32	568	451	69	13	35
Federal purchases	205	104	34	6	62	269	126	62	11	69
State and local purchases	99	17	44	10	28	65	6	33	9	18
Addendum: Business capital consumption allowances <sup>2</sup>	580	-	-	-	-	809	-	-	-	-

<sup>1</sup> Represents zero. <sup>2</sup> Less than \$500,000. <sup>1</sup> Includes expenditures for abatement and control of noise, radiation, and pesticide pollution, and unallocated business expenditures not assigned to media. Negative figures refer to deductions for costs recovered which represent the value of reclaimed materials or energy reused in production, or revenues received from the sale of these items. <sup>2</sup> Based on conventional (historical cost) depreciation reported in the U.S. Bureau of the Census' Pollution Abatement Expenditures Survey for 1973.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, February 1976.

No. 313. CAPITAL EXPENDITURES FOR POLLUTION ABATEMENT, BY INDUSTRY:  
1974 AND 1975

(In millions of dollars, except percent. Covers expenditures for new plant and equipment. Excludes expenditures of agricultural business and outlays charged to current account)

INDUSTRY	1974 (pres.)				1975, PLANNED					
	Total capital expenditures	Pollution abatement			Total capital expenditures	Pollution abatement				
		Percent of total	Air	Water		Solid waste	Air	Water		
All industries.....	111,451	5.0	3,343	1,876	398	116,578	5.4	3,745	2,155	394
Manufacturing.....										
Durable goods <sup>1</sup> .....	45,705	8.0	2,183	1,261	262	49,917	8.3	2,352	1,590	225
Primary metals.....	22,669	7.3	1,115	437	95	23,083	7.8	1,182	544	88
Electrical machinery.....	4,805	16.6	620	143	35	5,495	15.9	648	106	28
Machinery, except electrical.....	3,060	6.8	88	128	11	2,877	6.7	70	111	12
Transportation equipment.....	4,264	1.8	37	27	13	4,624	2.2	45	40	15
Stone, clay, and glass.....	3,826	3.7	67	50	24	3,509	4.2	66	68	13
Other.....	1,433	12.9	174	14	3	1,363	14.8	175	23	4
Nondurable goods <sup>1</sup> .....	5,231	4.5	150	76	9	5,215	5.4	157	107	17
Food, including beverages.....	23,126	8.7	1,037	814	157	26,834	8.8	1,190	1,046	137
Textiles.....	3,206	4.7	56	85	10	3,196	5.5	66	102	9
Paper.....	849	3.3	10	15	3	704	4.7	8	23	2
Chemicals.....	2,546	19.3	308	168	25	2,904	16.4	262	196	17
Petroleum.....	5,623	8.3	102	246	30	7,157	8.0	215	306	51
Rubber.....	7,868	10.1	416	296	84	10,088	10.1	580	385	51
Other.....	1,475	3.2	33	11	2	1,378	5.2	44	24	8
Nonmanufacturing.....	1,554	1.8	21	4	3	1,427	2.0	16	9	4
Mining.....	65,656	3.0	1,190	624	147	66,661	3.2	1,393	566	169
Railroad.....	3,097	1.8	24	25	9	3,672	1.8	21	21	4
Air transportation.....	2,484	1.2	12	14	2	3,172	1.2	15	21	1
Other transportation.....	1,970	0.4	4	2	1	1,781	0.6	7	3	1
Public utilities.....	2,034	2.3	11	28	6	2,337	2.7	18	36	11
Communication, commercial, and other <sup>2</sup> .....	20,597	7.9	1,031	499	92	21,462	8.1	1,210	408	117
All industries.....	35,474	0.6	108	56	37	34,237	0.7	122	76	36

<sup>1</sup> Includes industries not shown separately. <sup>2</sup> Includes trade, service, construction, finance, and insurance

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, July 1975.

No. 314. STATE GOVERNMENT EXPENDITURES FOR WATER AND AIR QUALITY CONTROL, BY GEOGRAPHIC DIVISION: 1970 TO 1974

(For fiscal years ending in year stated. Includes intergovernmental expenditure. Per capita figures based on July 1 estimates of the resident population. For composition of regions, see fig. I, inside front cover)

ITEM AND AREA	1970		1971		1972		1973		1974	
	Total (mil. dol.)	Per capita								
Water quality control.....	157.1	\$0.77	258.1	\$1.25	537.9	\$2.58	608.1	\$2.90	636.0	\$3.01
New England.....	30.8	.69	31.5	.62	96.2	.95	87.4	.72	88.0	.74
Middle Atlantic.....	61.8	1.66	98.3	2.62	122.9	3.27	162.6	4.35	156.7	4.20
East North Central.....	23.2	.58	64.4	1.59	220.0	5.39	216.8	5.31	170.7	4.17
West North Central.....	2.8	.17	9.8	.59	10.4	.63	24.0	1.45	29.0	1.74
South Atlantic.....	11.8	.38	21.1	.67	29.3	.92	39.9	1.23	73.7	2.22
East South Central.....	1.8	.14	3.7	.29	9.3	.71	7.5	.57	21.2	1.58
West South Central.....	6.4	.33	6.5	.33	6.5	.33	9.0	.44	11.1	.54
Mountain.....	1.6	.19	1.5	.18	2.2	.25	5.4	.59	18.0	1.38
Pacific.....	17.0	.64	21.4	.79	41.0	1.61	55.4	2.02	72.6	2.61
Air quality control.....	22.8	\$1.11	27.6	\$1.13	42.0	\$2.20	58.7	\$2.28	71.6	\$2.34
New England.....	1.2	.10	1.7	.16	3.7	.30	8.1	.66	4.3	.35
Middle Atlantic.....	5.2	.14	5.6	.15	6.2	.16	8.4	.23	11.9	.32
East North Central.....	2.0	.05	2.4	.06	3.7	.09	5.8	.14	11.7	.29
West North Central.....	0.7	.04	0.9	.05	1.4	.22	1.9	.11	2.5	.15
South Atlantic.....	4.3	.14	4.1	.13	5.5	.17	6.5	.20	8.4	.25
East South Central.....	1.2	.09	1.5	.12	2.3	.17	2.7	.20	3.5	.26
West South Central.....	1.0	.05	1.2	.06	4.5	.22	5.0	.26	6.0	.29
Mountain.....	1.2	.15	1.9	.22	2.2	.24	2.5	.27	4.0	.43
Pacific.....	6.0	.22	8.3	.31	12.7	.47	17.8	.65	19.3	.69

Source: U.S. Bureau of the Census, *Environmental Quality Control Expenditure and Employment for Selected Large Governmental Units: Fiscal 1969-70* (GSS-No. 61); *Environmental Quality Control Finances and Employment for Selected Large Governmental Units: Fiscal 1970-71* (GSS-No. 63); *Environmental Quality Control Governmental Finances and Employment: Fiscal Years 1971-72 and 1972-73* (GSS-No. 71) and *1973-74* (GSS-No. 76); and unpublished data.

**No. 315. WATER EQUIPMENT—CONSTRUCTION EXPENDITURES AND SHIPMENTS: 1970, 1972, AND 1974**  
 [In millions of dollars]

ITEM	WATER SUPPLY						WASTEWATER DISPOSAL					
	1970		1972		1974		1970		1972		1974	
	Municipal	Industrial	Municipal	Industrial	Municipal <sup>1</sup>	Industrial <sup>2</sup>	Municipal	Industrial	Municipal	Industrial	Municipal <sup>1</sup>	Industrial <sup>2</sup>
Expenditures-----	1,280	725	1,301	1,100	1,571	1,400	1,650	800	1,878	1,300	2,844	1,253
Distrib. and collection systems-----	1,023	(NA)	1,031	1,194	(NA)	(NA)	1,084	(NA)	1,202	(NA)	1,772	(NA)
Treatment plant-----	257	(NA)	270	(NA)	377	(NA)	586	(NA)	676	(NA)	1,072	(NA)
Shipments, treatment plant equip.-----	52	112	53	172	77	266	90	94	110	156	198	200

NA Not available.

<sup>1</sup> Based on U.S. Bureau of the Census construction expenditures data; distribution estimated.<sup>2</sup> For manufacturing industries only.

Source: 1970 and 1972, U.S. Bureau of Domestic Commerce, *Construction Review*, Oct./Nov. 1971, and unpublished data; 1974, U.S. Bureau of Economic Analysis, unpublished data.

**No. 316. POLLUTING DISCHARGES REPORTED IN U.S. WATERS: 1970 TO 1974**

[See *Weights and Measures*, pp. x-xi]

ITEM	Number	VOLUME		ITEM	Number	VOLUME	
		Gallons (1,000)	Liters (1,000)			Gallons (1,000)	Liters (1,000)
1970, total discharges-----	3,711	15,263	57,733	1974—Continued			
1971, total discharges-----	8,736	8,840	33,459	Land vehicles-----	373	786	2,975
1972, total discharges-----	9,931	18,806	71,181	Land facilities-----	200	235	889
1973, total discharges-----	13,328	24,315	92,397	Other and unknown-----	4,867	604	2,286
1974, total discharges-----	13,966	16,916	64,027	Type of pollutant:			
Vessel-----	3,726	4,286	16,223	Crude oil-----	3,639	9,028	34,171
Tanker-----	973	1,434	5,428	Diesel oil-----	1,833	1,121	4,243
Tank barge-----	833	2,460	9,345	Other oil-----	6,963	6,659	21,419
Other-----	1,920	384	1,458	Other and unknown-----	2,631	1,108	4,194
Nontransportation facilities-----	3,644	3,468	13,126	Location:			
Onshore-----	819	2,661	10,072	Atlantic Coast-----	3,517	3,020	11,465
Offshore-----	2,000	154	593	Gulf Coast-----	4,470	3,864	14,625
Other-----	819	553	2,472	Pacific Coast-----	2,745	493	1,866
Pipelines-----	567	6,205	23,486	Great Lakes-----	449	599	2,287
Marine facilities-----	699	1,882	5,042	Inland-----	2,815	8,931	33,804
Onshore/offshore-----	501	1,329	5,030				

Source: U.S. Coast Guard, *Polluting Incidents In and Around U.S. Waters*, 1974.

**No. 317. AIR POLLUTANTS—WEIGHT OF EMISSIONS: 1940 TO 1972**

[See *Weights and Measures*, pp. x-xi]

YEAR	SHORT TONS (mil.)					METRIC TONS (mil.)				
	Sulfur oxides	Carbon monoxide	Particulates <sup>1</sup>	Hydrocarbons	Nitrogen oxides	Sulfur oxides	Carbon monoxide	Particulates <sup>1</sup>	Hydrocarbons	Nitrogen oxides
1940-----	23	73	45	17	7	21	66	41	15	6
1950-----	25	83	33	22	9	23	75	30	20	8
1960-----	23	99	30	28	11	21	90	27	24	10
1968-----	31	111	28	30	19	28	101	25	27	17
1969-----	32	115	35	29	21	29	104	32	26	19
1970-----	33	101	28	27	22	30	92	24	24	20
1971-----	33	100	27	27	22	30	91	24	24	20
1972 <sup>2</sup> -----	33	108	20	28	25	30	98	18	25	23

<sup>1</sup> Suspended particulate matter: Particles of smoke, dust, and fumes and droplets of viscous liquid remaining in the air for varying periods of time and ranging from less than 1 micron (1/25,000 inch) to 100 microns.

<sup>2</sup> Data not comparable with prior years due to changes in calculating procedures.

Source: U.S. Council on Environmental Quality. Based on data from Environmental Protection Agency.

## Geography and Environment

## No. 318. AIR POLLUTANT EMISSIONS, BY SOURCE: 1970 AND 1974

(Quantity in millions of tons per year. Estimates)

ITEM	Total quantity	CONTROLLABLE						Miscella-neous, uncon-trollable	
		Transportation		Fuel combustion <sup>1</sup>		Industrial processes	Solid waste disposal		
		Total	Road vehicles	Total	Electric utilities				
<b>1970:</b>									
Carbon monoxide.....	107.3	82.8	71.6	1.1	.2	11.8	5.5	6.6	
Sulfur oxides.....	34.3	.7	.3	27.0	20.0	6.4	.1	.1	
Hydrocarbons.....	32.1	14.7	12.9	1.6	0.1	2.9	1.4	11.5	
Particulates <sup>2</sup> .....	27.5	1.2	.8	8.3	4.7	15.7	1.1	1.2	
Nitrogen oxides.....	20.4	9.3	6.9	10.1	5.5	.6	.3	.1	
Percent:									
Carbon monoxide.....	100.0	76.7	87.0	1.0	18.2	11.0	5.1	6.2	
Sulfur oxides.....	100.0	2.0	42.0	78.7	74.1	18.7	0.3	0.3	
Hydrocarbons.....	100.0	45.8	87.8	5.0	6.3	9.0	4.4	35.8	
Particulates <sup>2</sup> .....	100.0	4.4	66.7	30.2	56.6	57.1	4.0	4.4	
Nitrogen oxides.....	100.0	45.6	74.2	49.5	54.5	2.9	1.5	0.5	
<b>1974:</b>									
Carbon monoxide.....	94.6	78.5	63.6	.9	.3	12.7	2.4	5.1	
Sulfur oxides.....	31.4	.8	.4	24.3	18.7	6.2	—	.1	
Hydrocarbons.....	30.4	12.8	11.0	1.7	.1	3.1	.6	12.2	
Particulates <sup>2</sup> .....	19.5	1.3	.9	5.9	3.8	11.0	.5	.8	
Nitrogen oxides.....	22.5	10.7	8.1	11.0	7.0	.6	.1	.1	
Percent:									
Carbon monoxide.....	100.0	77.7	86.5	1.0	38.3	13.4	2.5	5.4	
Sulfur oxides.....	100.0	2.5	50.0	77.4	77.0	19.7	2.0	0.8	
Hydrocarbons.....	100.0	42.1	85.9	5.6	5.0	10.2	2.0	40.1	
Particulates <sup>2</sup> .....	100.0	6.7	69.2	30.8	55.0	56.4	2.6	4.1	
Nitrogen oxides.....	100.0	47.6	75.7	48.9	63.6	2.7	0.4	0.4	

— Represents zero. <sup>1</sup> Stationary. <sup>2</sup> See footnote 1, table 317.Source: U.S. Environmental Protection Agency, *Monitoring and Air Quality Trends Report*, 1974.

## No. 319. NATIONAL AMBIENT AIR QUALITY STATIONS—TOTAL STATIONS REPORTING, AND NUMBER EXCEEDING AIR QUALITY STANDARDS, BY POLLUTANT: 1970 TO 1974

[Minimal data consist of at least three 24-hour samples or 400 hourly values. Valid annual data records must contain at least five of the scheduled 24-hour samples or 75 percent of possible hourly values in all four quarters. See text, p. 178.  $\mu\text{g}/\text{m}^3$ =micrograms of pollutant per cubic meter of air;  $\text{mg}/\text{m}^3$ =milligrams of pollutant per cubic meter of air]

ITEM	1970	1971	1972	1973	1974	
					Total	Exceeding by 50 percent
<b>Suspended particulates:</b>						
Stations reporting at least minimal data.....	1,283	2,044	2,975	3,762	8,788	(X)
Exceeding 24-hour secondary standard ( $150 \mu\text{g}/\text{m}^3$ ).....	668	1,001	1,275	1,458	1,332	410
Exceeding 24-hour primary standard ( $260 \mu\text{g}/\text{m}^3$ ).....	212	233	311	355	326	111
Stations with valid annual data.....	763	1,032	1,880	2,024	2,004	(X)
Exceeding annual secondary guideline ( $60 \mu\text{g}/\text{m}^3$ ).....	550	704	1,060	996	995	217
Exceeding annual primary standard ( $75 \mu\text{g}/\text{m}^3$ ).....	385	462	626	521	467	88
<b>Sulfur dioxide:</b>						
Stations reporting at least minimal data.....	403	729	1,311	2,008	2,241	(X)
Exceeding 24-hour primary standard ( $365 \mu\text{g}/\text{m}^3$ ).....	33	32	42	103	99	28
Exceeding 3-hour secondary standard ( $1,800 \mu\text{g}/\text{m}^3$ ).....	13	24	26	52	71	—
Stations with valid annual data.....	184	257	588	716	1,030	(X)
Exceeding annual primary standard ( $80 \mu\text{g}/\text{m}^3$ ).....	20	21	20	24	31	14
<b>Carbon monoxide:</b>						
Stations reporting at least minimal data.....	73	133	191	299	377	(X)
Exceeding 1-hour standard ( $40 \text{ mg}/\text{m}^3$ ).....	14	24	16	33	27	3
Exceeding 8-hour standard ( $10 \text{ mg}/\text{m}^3$ ).....	60	102	114	192	211	104
<b>Total oxidants or ozone:</b>						
Stations reporting at least minimal data.....	51	82	162	265	343	(X)
Exceeding 1-hour standard ( $160 \mu\text{g}/\text{m}^3$ ).....	45	66	115	217	278	205
<b>Nitrogen dioxide:</b>						
Stations reporting valid annual data.....	28	32	47	67	582	(X)
Exceeding annual standard ( $100 \mu\text{g}/\text{m}^3$ ).....	9	10	8	10	18	—

— Represents zero. X Not applicable.

Source: Environmental Protection Agency, *Monitoring and Air Quality Trends Report*, 1974.

## No. 320. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1960 TO 1973

[Includes a small quantity of soil conditioners]

ITEM		1960	1965	1970	1971	1972	1973 <sup>1</sup>
Production, total	mil. lb.	648	877	1,034	1,136	1,158	1,289
Average annual change <sup>2</sup>	percent	(NA)	6.2	3.3	9.9	1.9	11.3
Value <sup>3</sup>	mil. dol.	307	577	1,058	1,283	1,345	1,493
Average annual change <sup>2</sup>	percent	(NA)	13.5	12.0	21.3	4.8	11.0
Sales, total <sup>4</sup>	mil. lb.	570	764	881	946	1,022	1,199
Average annual change <sup>2</sup>	percent	(NA)	6.0	2.9	7.4	8.0	17.3
Value <sup>3</sup>	mil. dol.	262	497	870	979	1,092	1,344
Average annual change <sup>2</sup>	percent	(NA)	13.7	11.9	12.5	11.5	23.1

NA. Not available. <sup>1</sup> Preliminary. <sup>2</sup> Over previous year shown. <sup>3</sup> Unit value at manufacturers' level multiplied by quantity produced. <sup>4</sup> As reported by U.S. Tariff Commission.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1970 and 1974.

## No. 321. FEDERAL FUNDS FOR ENVIRONMENTAL PROTECTION AND ENHANCEMENT: 1973 TO 1977

[In millions of dollars. Covers purchase, development, and operations]

ACTIVITY	BUDGET AUTHORITY					OUTLAYS				
	1973	1974	1975	1976 est.	1977 est.	1973	1974	1975	1976 est.	1977 est.
Total	993	702	1,248	1,301	1,381	820	870	1,128	1,243	1,327
Aid to State and local governments										
City recreation	340	194	473	489	529	248	333	403	447	468
Preservation and protection	95	36	152	144	162	69	93	110	122	126
Noncity general recreation	22	(2)	(2)	2	5	19	25	(2)	2	3
Sport fish and wildlife	140	59	156	156	156	84	121	161	151	150
Historic preservation and rehabilitation	71	75	98	110	120	66	68	80	102	106
Other	12	12	20	20	10	0	11	11	14	11
Total	993	702	1,248	1,301	1,381	820	870	1,128	1,243	1,327
Direct Federal activities										
City recreation	653	509	776	812	852	571	537	725	796	850
Preservation and protection	52	103	155	129	125	46	108	145	141	129
Noncity general recreation	202	131	155	222	250	155	151	164	227	269
Sport fish and wildlife	190	127	188	191	188	172	128	180	197	204
Historic preservation and rehabilitation	115	61	138	144	160	110	62	128	141	163
Other	57	37	65	45	44	53	41	60	46	49
Total	653	509	776	812	852	571	537	725	796	850

Z. Less than \$500,000. <sup>1</sup> Unique natural areas and endangered species.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government, 1977*.

## No. 322. TORNADOES, FLOODS, AND TROPICAL CYCLONES: 1936 TO 1975

[See also *Historical Statistics, Colonial Times to 1970*, series J 268-278]

ITEM	1936-1945	1946-1955	1956-1965	1966-1974	1970	1971	1972	1973	1974	1975 est.
Tornadoes, number	1,514	2,989	6,581	7,082	649	888	741	1,108	949	900
Lives lost, total	1,896	1,753	926	1,116	78	156	27	87	361	59
Most in a single tornado	216	169	44	58	26	58	6	7	34	9
With property loss of \$500,000 and over	56	130	191	386	30	35	29	76	107	39
Floods:										
Lives lost	953	808	557	797	135	74	540	105	89	(NA)
Property loss	1,484	3,350	2,721	3,106	225	288	3,449	859	500	(NA)
North Atlantic tropical cyclones and hurricanes: <sup>1</sup>										
Number reaching U.S. coast	41	40	38	24	4	5	3	1	1	1
Hurricanes only	19	21	14	12	1	3	1	-	1	-
Lives lost in U.S.	768	495	692	483	11	8	121	5	1	1

<sup>1</sup> Represents zero. NA. Not available. <sup>2</sup> For 1966-1973. <sup>3</sup> Preliminary estimate.

<sup>2</sup> Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatological Data: National Summary*. Monthly with annual summary.

**NO. 323. GROUND ELEVATION OF WEATHER STATIONS AND OCCURRENCE OF FREEZE—  
SELECTED CITIES**

[Data of freeze based on 30-year period, 1931-1960, except as indicated]

STATE AND STATION	Ground elevation (feet)	OCCURRENCE OF FREEZE, 32° F.				Mean number of days minimum temperature 32° F. or less	Length of record (yr.) <sup>1</sup>		
		Spring date		Fall date					
		Mean	Latest	Mean	Earliest				
Ala. Mobile <sup>2</sup>	211	Feb. 17	Mar. 20	Dec. 12	Nov. 14	20	10		
Alaska. Juneau <sup>2</sup>	12	May 18	June 7	Sept. 25	Aug. 24	152	29		
Ariz. Phoenix <sup>2</sup>	1,117	Feb. 2	Mar. 14	Dec. 6	Nov. 5	15	12		
Ark. Little Rock <sup>2</sup>	257	Mar. 17	Apr. 14	Nov. 10	Oct. 22	65	12		
Calif. Los Angeles <sup>2</sup>	97	Jan. 1	Jan. 21	Dec. 30	Dec. 9	-	32		
	Sacramento <sup>2</sup>	17	Feb. 2	Apr. 8	Dec. 7	20	12		
	San Francisco <sup>2</sup>	8	Jan. 17	Mar. 3	Dec. 22	Nov. 25	36		
Colo. Denver <sup>2</sup>	5,283	May 2	May 28	Oct. 14	Sept. 18	166	12		
Conn. Hartford <sup>2</sup>	189	April 22	May 10	Oct. 19	Sept. 27	139	13		
Del. Wilmington <sup>2</sup>	74	April 18	May 9	Oct. 26	Sept. 27	103	25		
D.C. Washington <sup>2</sup>	10	April 10	May 12	Oct. 28	Oct. 2	80	12		
Fla. Jacksonville <sup>2</sup>	24	Feb. 6	Mar. 14	Dec. 16	Nov. 9	11	31		
	Miami <sup>2</sup>	7	( <sup>3</sup> )	Feb. 6	( <sup>3</sup> )	( <sup>3</sup> )	8		
Ga. Atlanta <sup>2</sup>	1,010	Mar. 19	Mar. 29	Nov. 10	Oct. 28	60	12		
Hawaii. Honolulu <sup>2</sup>	7	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	15		
Idaho. Boise <sup>2</sup>	2,838	April 29	May 23	Oct. 16	Sept. 20	126	38		
Ill. Chicago <sup>2</sup>	607	April 19	May 4	Oct. 28	Oct. 7	120	9		
	Peoria <sup>2</sup>	652	April 22	May 13	Oct. 20	Sept. 25	134	13	
Ind. Indianapolis <sup>2</sup>	792	April 17	May 11	Oct. 27	Oct. 1	122	18		
Iowa. Des Moines <sup>2</sup>	938	April 19	May 11	Oct. 22	Sept. 28	140	11		
Kans. Wichita <sup>2</sup>	1,321	April 5	April 21	Nov. 1	Sept. 27	114	19		
Ky. Louisville <sup>2</sup>	477	April 1	April 19	Nov. 7	Oct. 15	95	12		
La. New Orleans <sup>2</sup>	4	Feb. 15	Mar. 20	Dec. 3	Nov. 13	12	26		
Maine. Portland <sup>2</sup>	43	April 29	May 30	Oct. 15	Sept. 17	161	32		
Md. Baltimore <sup>2</sup>	148	March 28	April 16	Nov. 17	Oct. 20	101	22		
Mass. Boston <sup>2</sup>	15	April 5	April 15	Nov. 8	Oct. 22	103	8		
Mich. Detroit <sup>2</sup>	619	April 24	May 12	Oct. 22	Sept. 29	125	39		
	Sault Ste. Marie <sup>2</sup>	721	May 19	June 21	Sept. 28	179	31		
Minn. Duluth <sup>2</sup>	1,428	May 13	June 1	Oct. 8	Sept. 13	188	11		
	Minneapolis <sup>2</sup>	834	April 30	May 24	Oct. 13	Sept. 18	160	13	
Miss. Jackson <sup>2</sup>	310	Mar. 10	April 13	Nov. 13	Oct. 17	50	9		
Mo. Kansas City <sup>2</sup>	742	April 6	April 20	Oct. 30	Oct. 6	99	11		
	St. Louis <sup>2</sup>	535	April 9	April 25	Nov. 1	Oct. 7	108	12	
Mont. Great Falls <sup>2</sup>	3,662	May 14	June 8	Sept. 26	Sept. 7	155	11		
Nebr. Omaha <sup>2</sup>	977	April 14	May 11	Oct. 19	Sept. 24	139	9		
Nev. Reno <sup>2</sup>	4,404	May 14	June 25	Oct. 2	Aug. 30	188	9		
N.H. Concord <sup>2</sup>	342	May 11	May 26	Sept. 30	Sept. 13	174	8		
N.J. Atlantic City <sup>2</sup>	64	Mar. 31	April 13	Nov. 11	Oct. 22	115	8		
N. Mex. Albuquerque <sup>2</sup>	5,311	April 16	May 18	Oct. 29	Oct. 11	120	12		
N.Y. Albany <sup>2</sup>	275	April 27	May 20	Oct. 13	Sept. 23	159	7		
	Buffalo <sup>2</sup>	705	April 30	May 24	Oct. 25	Sept. 23	138	12	
	New York <sup>2</sup>	132	April 7	April 24	Nov. 12	Oct. 19	82	59	
N.C. Charlotte <sup>2</sup>	736	March 21	April 16	Nov. 15	Oct. 15	74	12		
	Raleigh <sup>2</sup>	434	March 24	April 25	Nov. 16	Oct. 24	85	8	
N. Dak. Bismarck <sup>2</sup>	1,647	May 11	June 2	Sept. 24	Sept. 8	186	13		
Ohio. Cincinnati <sup>2</sup>	761	April 15	May 25	Oct. 25	Sept. 28	99	57		
	Cleveland <sup>2</sup>	777	April 21	May 14	Nov. 2	Sept. 29	127	12	
	Columbus <sup>2</sup>	812	April 17	May 9	Oct. 30	Oct. 7	124	13	
Okla. Oklahoma City <sup>2</sup>	1,285	March 28	April 17	Nov. 7	Oct. 14	82	7		
Oreg. Portland <sup>2</sup>	21	Feb. 22	May 2	Dec. 3	Oct. 14	44	32		
Pa. Philadelphia <sup>2</sup>	5	March 30	April 20	Nov. 17	Oct. 19	104	13		
	Pittsburgh <sup>2</sup>	1,137	April 16	May 4	Nov. 3	Oct. 10	126	13	
R.I. Providence <sup>2</sup>	51	April 13	April 24	Oct. 27	Oct. 3	127	9		
S.C. Columbia <sup>2</sup>	213	March 14	April 13	Nov. 21	Nov. 1	65	6		
S. Dak. Sioux Falls <sup>2</sup>	1,418	May 5	May 29	Oct. 3	Sept. 12	172	9		
Tenn. Memphis <sup>2</sup>	268	March 20	April 15	Nov. 12	Oct. 17	60	31		
	Nashville <sup>2</sup>	590	March 28	April 19	Nov. 7	Oct. 17	81	7	
Tex. Dallas <sup>2</sup>	481	March 18	April 13	Nov. 12	Oct. 27	35	13		
	El Paso <sup>2</sup>	3,918	March 14	March 29	Nov. 12	Nov. 1	61	12	
	Houston <sup>2</sup>	96	Feb. 12	March 27	Dec. 4	Nov. 3	22	3	
Utah. Salt Lake City <sup>2</sup>	4,220	April 12	April 30	Nov. 1	Sept. 25	137	13		
Vt. Burlington <sup>2</sup>	332	May 8	May 27	Oct. 3	Sept. 13	168	8		
Va. Norfolk <sup>2</sup>	22	March 18	April 14	Nov. 27	Nov. 7	55	24		
	Richmond <sup>2</sup>	164	April 2	April 20	Nov. 8	Oct. 21	43	43	
Wash. Seattle <sup>2</sup>	400	Feb. 23	April. 2	Nov. 30	Oct. 19	32	13		
	Spokane <sup>2</sup>	2,556	April 21	May 14	Oct. 8	Sept. 19	140	13	
W. Va. Charleston <sup>2</sup>	939	April 18	May 11	Oct. 28	Sept. 29	100	25		
Wis. Milwaukee <sup>2</sup>	672	April 20	May 9	Oct. 25	Sept. 24	149	12		
Wyo. Cheyenne <sup>2</sup>	6,126	May 20	June 18	Sept. 27	Sept. 5	173	13		
P.R. San Juan <sup>2</sup>	13	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	17		

<sup>1</sup> Represents zero. <sup>2</sup> Period ending in 1972. <sup>3</sup> Period of record 1921-1950. <sup>4</sup> When frequency of occurrence in either spring or fall is 1 year in 10, or less, mean dates are not given. <sup>5</sup> 32° F. never recorded.

## No. 324. NORMAL MONTHLY AVERAGE TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data unless otherwise noted. Based on standard 30-year period, 1941 to 1970. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data)

STATE AND STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.--- Mobile	51.2	54.0	59.4	67.9	74.8	80.3	81.6	81.5	77.5	68.9	58.5	52.9	67.4
Alaska--- Juneau	23.5	28.0	31.0	38.9	46.8	53.2	55.7	54.3	49.2	41.8	32.5	27.3	40.3
Ariz.--- Phoenix	51.2	55.1	59.7	67.7	76.3	84.6	91.2	89.1	83.8	72.2	50.8	52.5	70.3
Ark.--- Little Rock	39.5	42.9	50.3	61.7	69.8	78.1	81.4	80.6	83.3	62.4	50.3	41.8	61.0
Calif.--- Los Angeles	54.5	55.6	56.5	61.9	64.5	70.5	76.5	74.1	68.7	65.2	50.5	56.9	61.7
Sacramento	45.1	49.8	53.0	63.8	64.3	70.5	75.2	74.1	71.5	63.3	53.0	45.8	60.3
San Francisco	48.3	51.2	52.0	55.3	58.3	61.6	62.5	63.0	64.1	61.0	55.3	49.7	56.9
Colo.--- Denver	29.9	32.8	37.0	47.5	57.0	60.0	73.0	71.6	62.8	52.0	39.4	32.6	50.1
Conn.--- Hartford	24.8	26.8	35.6	47.7	58.3	67.8	72.7	70.4	62.8	52.6	41.3	28.2	49.1
Del.--- Wilmington	32.0	33.6	41.6	52.8	62.4	71.4	75.8	74.1	67.9	57.2	45.7	34.7	54.0
D.C.--- Washington	35.0	37.3	45.1	56.4	66.2	74.6	78.7	77.1	70.6	59.8	48.0	37.4	57.3
Fla.--- Jacksonville	54.6	56.3	61.2	68.1	74.3	79.2	81.0	81.0	78.2	70.5	61.2	55.4	68.4
Miami	67.2	71.2	71.3	75.8	80.0	81.0	82.3	82.9	81.7	77.8	72.2	68.3	75.5
Ga.--- Atlanta	42.4	45.0	51.1	61.1	69.1	75.6	78.0	77.5	72.3	62.4	51.4	43.5	60.8
Hawaii--- Honolulu	72.3	73.3	73.0	74.8	76.9	78.0	80.1	80.7	80.4	78.9	76.5	73.7	76.6
Idaho--- Boise	29.0	35.5	41.1	49.0	57.4	64.8	74.5	72.2	63.1	52.1	39.8	32.1	50.9
Ill.--- Chicago	24.3	27.4	36.8	49.9	60.0	60.7	74.7	73.7	65.9	55.4	39.0	28.0	50.8
Peoria	23.8	27.7	37.3	51.8	61.5	71.3	75.1	73.5	65.5	55.0	39.7	31.4	52.3
Ind.--- Indianapolis	27.9	30.7	39.7	52.3	62.2	71.7	75.0	73.2	66.3	55.7	41.7	30.9	49.0
Iowa--- Des Moines	19.4	24.2	38.9	40.5	60.9	70.5	75.1	73.3	64.3	54.3	37.8	25.0	49.0
Kans.--- Wichita	31.3	36.3	43.6	56.8	66.1	75.8	80.7	79.7	70.6	59.6	44.8	34.5	56.6
Ky.--- Louisville	33.3	35.8	44.0	55.9	64.8	73.3	76.9	75.9	69.1	58.1	45.0	35.6	55.6
La.--- New Orleans	52.9	55.6	60.7	68.6	75.1	80.4	81.9	81.0	78.2	69.8	60.1	54.8	68.3
Maine--- Portland	21.5	22.9	31.8	42.7	52.7	62.2	68.0	66.4	58.7	49.1	38.6	25.7	45.0
Md.--- Baltimore	33.4	34.8	42.8	53.8	63.7	72.4	76.6	74.9	68.5	57.4	46.1	35.3	55.0
Mass.--- Boston	29.2	30.4	38.1	48.6	58.6	68.0	73.3	71.3	64.5	55.4	45.2	33.0	51.3
Mich.--- Detroit	25.5	26.9	35.4	48.1	58.4	69.1	73.3	71.9	64.5	54.3	41.1	29.6	49.0
Sault Ste. Marie	14.2	15.2	24.0	38.2	49.0	58.7	63.8	63.2	55.3	46.2	32.8	20.1	40.0
Minn.--- Duluth	8.5	12.1	23.5	38.6	49.4	59.0	65.6	64.1	54.4	45.3	28.4	14.4	38.6
Minneapolis													
St. Paul	12.2	16.5	28.3	45.1	57.1	66.9	71.0	70.2	60.0	50.0	32.4	18.6	44.1
Miss.--- Jackson	47.1	49.8	56.1	65.7	72.7	79.4	81.7	81.2	76.0	65.8	55.3	48.9	65.0
Mo.--- Kansas City	27.8	33.1	41.2	55.0	65.0	73.9	78.8	77.4	68.8	58.6	43.6	32.3	54.5
St. Louis	31.8	35.1	43.3	50.5	65.8	74.0	78.6	77.2	69.6	59.1	45.0	34.6	55.9
Mont.--- Great Falls	20.5	26.6	30.5	43.4	53.8	60.8	69.3	67.4	57.3	48.3	34.3	26.5	44.9
Nebr.--- Omaha	22.6	28.0	37.1	52.3	63.0	72.2	77.2	75.6	66.3	55.9	40.0	28.0	51.5
Nev.--- Reno	31.9	37.1	40.3	46.8	54.6	61.5	69.3	66.9	60.2	50.3	40.1	33.0	49.4
N.H.--- Concord	20.6	22.6	32.3	44.2	55.1	64.7	69.7	67.2	59.5	49.3	38.0	24.8	45.6
N.J.--- Atlantic City	32.7	33.9	41.1	51.7	61.6	70.3	75.1	73.4	67.1	56.7	46.0	35.1	53.7
N.Mex.--- Albuquerque	35.2	40.0	45.8	55.8	65.8	74.6	78.7	76.6	70.1	58.2	44.5	36.2	56.8
N.Y.--- Albany	21.5	23.5	33.4	46.9	57.7	67.5	72.0	69.8	61.9	51.4	39.6	25.9	47.6
Buffalo	23.7	24.4	32.1	44.9	55.1	65.7	70.1	68.4	61.6	51.5	39.8	27.9	47.1
New York	32.2	33.4	41.1	52.1	62.3	71.6	76.6	74.9	68.4	58.7	47.4	35.5	54.5
N.C.--- Charlotte	42.1	44.0	50.6	60.8	68.8	75.9	78.5	77.7	72.3	61.7	51.0	42.5	60.5
Raleigh	40.5	42.2	49.2	59.5	67.4	74.4	77.5	76.5	70.6	60.2	50.0	41.2	50.1
N.Dak.--- Bismarck	8.2	13.5	25.1	43.0	54.4	63.8	70.8	69.2	57.5	46.8	28.9	15.6	41.4
Ohio.--- Cincinnati	31.1	33.3	41.7	53.9	63.2	72.1	75.6	74.4	67.8	56.8	43.8	33.7	54.0
Cleveland	26.9	27.0	36.1	48.3	58.3	67.0	71.4	70.0	63.0	53.8	41.6	30.3	49.7
Columbus	28.4	30.3	39.2	51.2	61.1	70.4	73.6	71.9	65.2	54.2	41.7	30.7	51.5
Oklahoma--- Oklahoma City	36.8	41.3	48.2	60.4	68.3	76.8	81.5	81.1	73.0	62.4	49.2	40.0	59.9
Oreg.--- Portland	38.1	42.8	45.7	50.6	56.7	62.0	67.1	66.6	62.2	53.8	45.3	40.7	52.6
Pa.--- Philadelphia	33.3	33.9	41.0	52.9	63.2	72.3	76.8	74.8	68.1	57.4	46.2	35.2	54.6
Pittsburgh	28.1	29.3	38.1	50.2	59.8	68.0	71.0	70.2	63.8	53.2	41.3	30.5	50.4
R.I.--- Providence	28.4	29.4	36.9	47.3	58.3	66.4	72.1	70.4	63.4	53.7	43.3	31.5	50.0
S.C.--- Columbia	45.4	47.6	54.2	64.1	72.1	78.8	81.2	80.2	74.5	64.2	53.8	48.0	53.5
S. Dak.--- Sioux Falls	14.2	19.4	30.0	46.1	57.7	67.5	73.3	71.8	60.9	50.2	33.1	20.0	45.4
Tenn.--- Memphis	40.5	43.8	51.0	62.5	70.9	78.0	81.6	80.4	73.8	63.0	50.0	42.7	61.6
Nashville	38.3	41.0	48.7	60.1	68.5	76.6	79.6	78.5	72.0	60.9	48.4	40.4	59.4
Tex.--- Dallas-Fort Worth	44.8	48.7	55.0	65.2	72.5	80.6	84.8	84.9	77.7	67.6	55.8	47.9	65.5
El Paso	43.6	48.4	54.6	63.9	72.2	80.3	82.3	80.5	74.2	64.0	51.6	44.4	63.4
Houston	52.1	55.3	60.8	69.4	75.8	81.1	83.3	83.4	79.2	70.9	61.1	54.6	68.9
Utah--- Salt Lake City	28.0	33.4	39.6	49.2	58.8	66.2	76.7	74.5	64.8	52.4	39.1	30.3	51.0
Vt.--- Burlington	16.8	18.6	29.1	43.0	54.8	65.2	69.8	67.4	59.3	48.8	37.0	22.6	44.4
Va.--- Norfolk	40.5	41.4	48.1	57.8	66.7	74.5	78.3	76.9	71.8	61.7	51.6	42.3	59.3
Richmond	37.5	39.4	46.9	57.8	66.5	74.2	77.9	76.3	70.0	59.3	49.0	39.0	57.8
Wash.--- Seattle-Tacoma	38.2	42.8	44.1	48.7	54.9	59.8	61.5	63.8	59.6	52.2	44.6	40.5	51.1
Spokane	25.4	32.2	37.5	40.1	54.7	61.5	69.7	68.0	59.6	47.8	35.5	29.0	47.3
Charleston	34.5	36.5	44.5	55.9	64.5	72.0	75.0	73.6	67.5	57.0	45.4	36.2	56.2
Milwaukee	19.4	22.5	31.4	44.7	54.2	64.5	69.9	69.2	61.1	51.0	36.5	24.2	45.7
Cheyenne	26.6	29.0	31.6	42.7	52.4	61.3	69.1	67.6	58.2	47.9	35.5	29.2	45.9
P.R.--- San Juan	75.4	75.3	76.3	77.5	79.2	80.5	80.9	81.3	81.1	80.6	78.7	76.8	78.6

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Local Climatological Data, Monthly with annual summary*.

## Geography and Environment

## No. 325. NORMAL MONTHLY MAXIMUM TEMPERATURE—SELECTED CITIES

In Fahrenheit degrees. Airport data unless otherwise noted. Based on standard 30-year period, 1941 to 1970]

STATE AND STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.... Mobile.....	61.1	64.1	69.5	78.0	85.0	89.8	90.5	90.6	86.5	79.7	69.5	63.0	77.3
Alaska... Juneau.....	29.1	39.8	38.2	46.5	55.4	62.0	63.6	62.3	56.1	47.2	37.3	32.0	47.0
Ariz.... Phoenix.....	64.8	69.3	74.5	83.6	92.9	101.5	104.8	102.2	98.4	87.6	74.7	66.4	85.1
Ark.... Little Rock.....	50.1	53.8	61.3	73.5	81.4	89.3	92.6	92.6	85.8	76.0	62.4	52.1	72.6
Calif.... Los Angeles.....	63.5	64.1	64.3	65.9	68.4	70.3	74.8	75.8	75.7	72.9	69.6	66.5	69.2
Sacramento.....	53.0	59.1	64.1	71.3	78.8	86.4	92.0	91.3	87.7	77.1	68.8	53.3	73.2
San Francisco.....	55.3	58.6	61.0	63.5	66.6	70.2	70.9	71.6	73.6	70.3	63.3	55.6	65.1
Colo.... Denver.....	43.5	46.2	50.1	61.0	70.3	80.1	87.4	85.8	77.7	66.8	53.3	46.2	64.0
Conn.... Hartford.....	33.4	35.7	44.6	58.9	70.3	79.5	84.1	81.9	74.5	64.3	50.6	38.8	59.6
Del.... Wilmington.....	40.2	42.2	51.1	63.0	73.1	81.6	85.5	83.9	78.2	67.8	55.2	43.0	63.7
D.C.... Washington.....	43.5	46.0	55.0	67.1	76.6	84.6	88.2	86.6	80.2	69.8	57.2	45.2	66.7
Fla.... Jacksonville.....	64.6	66.9	72.2	79.0	84.6	88.3	90.0	89.7	86.0	79.2	71.4	65.6	78.1
Miami.....	75.6	78.6	79.5	82.7	85.3	88.0	89.1	89.9	88.3	84.6	79.9	76.6	83.0
Ga.... Atlanta.....	51.4	54.5	61.1	71.4	79.0	84.6	86.5	86.4	81.2	72.5	61.9	52.7	70.3
Hawaii.... Honolulu.....	70.3	72.9	70.7	81.4	83.6	85.6	86.8	87.4	87.4	85.8	83.2	80.3	83.3
Idaho.... Boise.....	36.5	43.8	51.6	61.4	70.6	78.3	90.5	87.6	77.6	64.7	48.9	30.1	62.6
Ill.... Chicago.....	31.5	34.6	44.6	53.3	70.3	80.6	84.4	85.9	75.8	65.1	48.1	35.3	50.4
Peoria.....	31.9	36.0	46.5	61.7	72.3	81.7	85.5	84.0	76.4	65.9	48.7	35.7	60.5
Ind.... Indianapolis.....	36.0	39.3	49.0	62.8	72.9	82.3	85.4	84.0	77.7	67.0	50.5	38.7	62.2
Iowa.... Des Moines.....	27.5	32.5	42.5	52.7	60.9	70.8	84.9	83.2	74.6	64.0	46.4	32.8	58.3
Kans.... Wichita.....	41.4	47.1	55.0	68.1	77.1	86.5	91.7	91.0	81.9	71.3	55.8	44.3	67.6
Ky.... Louisville.....	42.0	45.0	54.0	66.9	75.6	83.7	87.3	86.8	80.5	70.3	54.9	44.1	65.9
La.... New Orleans.....	62.3	65.1	70.4	78.4	84.9	89.6	90.4	86.6	80.0	79.9	70.3	64.2	77.7
Maine.... Portland.....	31.2	33.3	40.8	52.8	63.6	73.2	79.1	77.6	69.9	60.2	47.5	34.9	55.3
Md.... Baltimore.....	41.9	43.9	50.9	65.2	74.8	88.2	86.7	85.1	79.0	68.3	56.1	43.9	65.1
Mass.... Boston.....	35.9	37.5	44.6	50.3	67.1	76.6	81.4	79.3	72.2	63.2	51.7	39.3	58.7
Mich.... Detroit.....	31.7	33.7	41.3	57.6	68.5	79.1	83.1	81.6	74.2	63.4	47.7	35.4	58.3
Sault Ste. Marie.....	22.0	23.7	32.5	47.2	59.4	70.0	75.1	73.4	64.5	54.8	39.0	26.8	49.0
Duluth.....	17.6	22.1	32.6	47.8	60.0	69.7	76.4	74.4	64.0	54.3	35.3	22.5	48.1
Minneapolis.....	21.2	25.9	36.9	55.5	67.9	77.1	82.4	80.8	70.7	60.7	40.6	26.6	58.8
St. Paul.....	58.4	61.7	68.7	78.2	85.0	91.0	92.7	92.6	88.0	80.1	68.5	60.5	77.1
Miss.... Jackson.....	36.2	41.9	50.5	64.8	74.3	82.6	88.0	86.7	78.8	68.9	52.7	40.4	63.7
Mo.... Kansas City.....	39.9	44.2	53.0	67.0	76.0	84.9	88.4	87.2	80.1	69.8	54.1	42.7	65.6
St. Louis.....	20.3	35.9	40.4	54.5	65.0	72.1	83.7	81.8	70.0	59.4	43.4	34.7	55.9
Nebr.... Omaha.....	32.7	35.8	47.7	64.4	74.4	83.1	88.6	87.2	78.6	69.1	50.9	37.8	62.8
Nev.... Reno.....	45.4	51.1	58.0	64.0	72.2	80.4	91.1	90.9	81.8	70.0	56.3	46.4	67.0
N.H.... Concord.....	31.3	33.8	42.4	56.7	68.6	77.7	82.6	80.1	72.4	62.3	47.9	34.6	57.5
N.J.... Atlantic City.....	41.4	42.9	50.7	62.3	72.4	80.8	84.7	83.0	77.3	67.5	55.9	44.2	63.6
N.Mex.... Albuquerque.....	46.9	52.6	59.2	70.1	79.9	89.5	92.2	89.7	83.4	71.7	57.1	47.5	70.0
N.Y.... Albany.....	30.4	32.7	42.6	58.0	69.7	79.4	83.9	81.4	73.7	62.8	48.1	34.1	55.1
Buffalo.....	20.8	31.0	39.0	53.3	64.1	75.1	79.5	77.6	70.8	60.2	46.1	33.6	55.0
New York <sup>1</sup> .....	38.5	40.2	48.4	60.7	71.4	80.5	85.2	83.4	76.8	66.8	54.0	41.4	62.8
N.C.... Charlotte.....	52.1	54.0	62.2	72.7	80.2	86.4	88.3	87.4	82.0	73.1	62.4	52.5	71.2
Raleigh.....	51.0	53.2	61.0	72.2	79.4	85.6	87.7	86.8	81.5	72.4	62.1	51.9	70.4
N.Dak.... Bismarck.....	19.1	24.5	35.4	54.8	67.1	75.3	84.3	83.5	71.3	60.3	39.4	26.0	53.5
Ohio.... Cincinnati.....	39.7	41.7	51.8	65.0	74.4	82.2	88.5	85.8	79.7	68.5	53.2	42.0	64.4
Cleveland.....	33.4	35.0	44.1	58.0	68.4	78.2	81.6	80.4	74.2	63.6	48.8	36.4	58.5
Columbus.....	36.4	39.2	49.3	62.8	72.9	81.9	84.8	83.7	77.6	66.4	50.9	38.7	62.1
Oklahoma City.....	47.6	52.2	59.8	71.6	78.7	87.0	92.6	92.5	84.7	74.2	60.9	50.7	71.1
Oreg.... Portland.....	43.6	50.1	54.3	60.3	67.0	72.1	79.0	78.1	73.0	62.9	52.1	46.0	61.6
Pa.... Philadelphia.....	40.1	42.2	51.2	63.5	74.3	83.0	86.8	84.8	78.4	67.9	55.5	43.2	64.2
Pittsburgh.....	35.3	37.3	47.2	60.9	70.8	79.5	82.5	80.9	74.9	63.9	49.3	37.3	60.0
R.I.... Providence.....	36.2	37.6	44.7	56.7	66.8	76.3	81.1	78.3	73.1	63.9	52.0	39.6	59.0
S.C.... Columbia.....	56.9	59.7	66.5	76.9	84.5	90.3	92.0	91.0	85.4	77.1	66.9	57.9	75.4
S.Dak.... Sioux Falls.....	24.6	29.3	39.7	57.8	69.7	78.9	85.1	83.8	73.0	62.7	43.5	29.6	56.5
Tenn.... Memphis.....	49.4	53.1	60.8	72.7	81.2	88.7	91.6	90.6	84.3	74.9	61.5	51.7	71.7
Nashville.....	47.6	50.9	59.2	71.3	79.8	87.5	90.2	89.2	83.5	73.2	69.0	49.6	70.1
Tex.... Dallas-Fort Worth.....	55.7	59.8	66.6	76.3	82.8	90.8	95.5	96.1	88.5	79.2	67.5	58.7	76.5
El Paso.....	57.0	62.5	68.9	78.5	87.2	94.9	94.8	92.8	87.4	78.5	66.1	57.8	77.2
Houston.....	62.6	66.0	71.8	79.4	85.0	91.3	93.8	94.3	90.1	83.5	73.0	65.8	79.8
Utah.... Salt Lake City.....	37.4	43.4	50.8	61.8	72.4	81.3	92.8	90.2	80.8	66.4	50.0	39.0	63.8
Vt.... Burlington.....	25.0	28.2	38.0	53.3	66.1	76.5	81.0	78.3	70.0	58.7	44.3	30.3	54.2
Va.... Norfolk.....	48.8	50.0	57.3	67.7	76.2	83.5	86.6	84.8	79.6	70.1	60.5	50.6	68.0
Richmond.....	47.4	49.9	59.2	70.3	78.4	85.4	88.2	86.6	80.9	71.2	60.6	49.1	68.8
Wash.... Seattle-Tacoma.....	43.4	48.5	51.5	57.0	64.1	69.0	75.1	73.8	68.7	59.4	50.4	45.4	58.8
Spokane.....	31.1	35.0	46.2	57.0	66.5	73.6	84.3	81.9	72.5	58.1	41.8	33.9	57.2
W. Va.... Charleston.....	43.6	46.2	55.2	67.9	76.6	83.4	85.6	84.4	79.0	60.1	55.8	45.2	66.0
Wis.... Milwaukee.....	27.3	30.3	39.4	54.6	65.0	75.3	80.4	79.7	71.5	61.4	44.4	31.5	55.1
Wyo.... Cheyenne.....	38.2	40.7	43.5	55.4	65.1	74.4	83.7	81.9	72.8	61.8	47.5	40.3	58.8
P.R.... San Juan.....	81.9	82.1	83.6	84.4	85.6	87.0	87.0	87.5	87.6	87.4	85.0	83.1	85.2

<sup>1</sup> City office data.

## No. 326. NORMAL MONTHLY MINIMUM TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data unless otherwise noted. Based on standard 30-year period, 1941 to 1970)

STATE AND STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.	
Ala. Mobile	41.3	48.9	49.2	57.7	64.5	70.7	72.6	72.3	68.4	58.0	47.5	42.8	57.4	
Alaska. Juneau	17.8	22.1	25.8	31.3	38.2	44.4	47.7	46.2	42.5	36.4	27.6	22.5	35.5	
Ariz. Phoenix	37.6	40.8	45.1	51.8	59.6	67.7	70.0	69.1	65.8	44.8	38.5	35.4	55.4	
Ark. Little Rock	28.9	31.9	38.7	49.9	56.8	66.8	70.1	68.6	63.8	48.7	38.1	31.1	49.3	
Calif. Los Angeles	45.4	47.0	48.5	51.7	55.3	58.6	62.1	63.2	61.6	57.5	51.3	47.3	54.1	
	Sacramento	37.1	40.4	41.9	45.3	49.8	54.6	57.5	56.0	55.3	49.5	42.4	38.3	47.4
	San Francisco	41.2	43.8	44.9	47.0	49.0	53.0	54.0	54.3	54.5	51.6	47.2	42.9	48.7
Colo. Denver	16.2	19.4	23.8	33.9	43.6	51.9	58.6	57.4	47.8	37.2	28.4	18.9	36.2	
Conn. Hartford	18.1	17.9	22.8	36.5	46.2	56.0	61.2	58.9	51.0	40.8	31.3	19.6	38.6	
Del. Wilmington	23.8	24.9	32.0	41.5	51.6	61.1	66.1	64.3	57.0	48.5	38.2	26.3	44.3	
D.C. Washington	27.7	28.6	35.2	45.7	55.7	64.6	69.1	67.6	61.0	49.7	38.8	29.5	47.8	
Fla. Jacksonville	44.5	45.7	50.1	57.1	63.9	70.0	72.0	72.8	70.4	61.7	51.0	45.1	58.7	
	Miami	58.7	59.0	63.0	67.3	70.7	73.9	75.5	75.8	70.0	61.5	60.0	67.9	67.9
Ga. Atlanta	33.4	35.5	41.1	50.7	59.2	66.6	69.4	68.6	63.4	52.3	40.8	34.3	51.3	
Hawaii. Honolulu	65.3	65.3	66.3	68.1	70.2	72.2	73.4	74.0	73.4	72.0	69.8	67.1	69.8	
Idaho. Boise	21.4	27.6	30.5	36.5	44.3	51.2	58.5	56.7	48.5	39.4	30.7	25.0	33.1	
Ill. Chicago	17.0	20.2	29.0	40.4	49.7	60.3	65.0	64.1	56.0	45.6	32.6	21.6	41.8	
	Pegram	15.7	19.3	28.1	40.8	50.7	60.9	64.6	62.0	54.6	44.0	31.1	20.8	41.1
Ind. Indianapolis	19.7	22.1	30.3	41.8	51.5	61.1	64.8	62.4	54.9	44.3	32.8	23.1	42.4	
Iowa. Des Moines	11.3	15.8	25.2	39.2	50.0	61.1	65.3	63.4	54.0	43.6	29.2	17.2	39.7	
Kans. Wichita	21.2	25.4	32.1	45.1	55.0	65.0	69.6	68.3	59.2	47.9	33.8	24.6	45.6	
Ky. Louisville	24.5	28.5	34.0	44.8	53.9	62.9	68.0	64.9	57.7	45.0	35.1	27.1	45.3	
La. New Orleans	43.5	46.0	50.9	58.8	65.3	71.2	73.3	73.1	69.7	59.6	49.8	45.3	58.9	
Maine. Portland	11.7	12.5	22.8	32.5	41.7	51.1	56.9	55.2	47.4	38.0	26.7	16.4	34.7	
Md. Baltimore	24.9	25.7	32.5	42.4	52.5	61.6	66.5	64.7	57.9	46.4	38.0	26.6	44.8	
Mass. Boston	22.5	28.3	31.5	40.8	50.1	59.3	65.1	63.3	56.7	47.5	38.7	26.6	43.8	
Mich. Detroit	19.2	20.1	27.6	38.6	48.3	59.1	64.3	62.1	54.8	45.2	34.4	23.8	41.4	
Minn. Duluth	-0.6	2.0	14.4	29.3	38.8	48.3	54.7	53.7	44.8	36.2	21.4	6.3	29.1	
	Minneapolis-St. Paul	3.2	7.1	10.6	34.7	46.3	58.7	61.4	59.8	49.3	39.2	24.2	10.8	34.3
Miss. Jackson	35.8	37.8	43.4	53.1	60.4	67.7	70.6	69.8	64.0	51.5	42.0	37.3	52.8	
Mo. Kansas City	19.3	24.2	31.8	45.1	55.7	65.2	69.6	68.1	58.8	48.3	34.5	24.1	45.3	
	St. Louis	22.6	26.0	33.9	45.0	56.5	61.8	68.8	67.1	59.1	48.4	35.9	26.5	46.2
Mont. Great Falls	11.6	17.2	20.6	32.3	41.5	49.5	54.9	53.0	44.0	37.1	25.7	18.2	33.8	
Nebr. Omaha	12.4	17.4	20.4	40.1	51.5	61.3	65.8	64.0	54.0	42.6	29.1	18.1	40.2	
Nev. Reno	18.3	23.0	24.6	37.7	49.0	52.5	57.7	47.4	44.8	38.6	30.5	19.8	31.7	
N.H. Concord	9.9	11.3	22.1	31.7	41.5	51.6	56.7	54.2	46.6	36.3	28.1	14.3	33.7	
N.J. Atlantic City	24.0	24.0	31.5	41.0	50.7	59.7	65.4	63.8	56.8	45.9	36.1	20.0	43.8	
N. Mex. Albuquerque	23.5	27.4	32.3	43.4	50.7	59.7	65.2	63.4	56.7	44.7	31.8	24.9	43.5	
N.Y. Albany	12.5	14.3	24.2	35.7	45.7	55.6	60.1	57.8	50.1	40.0	31.1	17.7	37.1	
Buffalo	17.0	17.7	25.2	36.4	45.3	56.3	60.9	59.7	53.1	52.8	42.7	33.5	29.1	
New York <sup>1</sup>	25.9	26.5	33.7	43.5	53.1	62.6	68.0	66.4	59.8	50.6	40.8	29.5	45.7	
N.C. Charlotte	32.1	33.1	39.0	48.9	57.4	65.8	68.7	67.9	61.9	50.3	39.8	32.4	49.7	
Raleigh	30.0	31.1	37.4	46.7	55.4	63.1	67.4	66.2	59.7	48.0	37.8	30.5	47.8	
N.Dak. Bismarck	-2.8	2.4	14.7	31.1	41.7	51.8	57.3	54.9	43.7	33.2	18.3	5.2	29.3	
Ohio. Cincinnati	22.4	28.8	31.6	42.7	51.9	61.0	64.6	63.0	55.9	45.0	34.3	25.8	43.5	
	Cleveland	20.3	20.8	28.1	38.5	48.1	57.5	61.2	59.6	53.5	43.9	34.4	24.1	46.8
Oklahoma City	20.4	21.4	29.1	39.5	49.3	58.0	62.4	60.1	52.7	42.0	32.4	22.7	40.9	
Oreg. Portland	32.5	35.5	37.0	40.8	46.3	51.8	58.2	55.0	50.5	44.7	38.5	35.3	46.6	
Pa. Philadelphia	24.4	25.5	32.5	42.3	52.3	61.6	66.7	64.7	57.8	46.9	38.9	27.2	44.9	
Pittsburgh	20.8	21.3	29.0	39.4	48.7	57.7	61.3	59.4	52.7	42.4	33.3	23.6	46.8	
R.I. Providence	20.6	21.2	29.0	37.8	46.9	55.5	63.0	61.0	53.6	43.4	34.6	23.4	46.6	
S.C. Columbia	33.9	35.5	41.3	53.9	56.6	67.2	70.3	69.4	63.5	51.3	40.6	34.1	51.5	
S. Dak. Sioux Falls	3.7	9.8	20.2	34.4	45.7	56.3	61.5	59.8	48.7	37.8	22.7	10.4	34.2	
Tenn. Memphis	31.6	34.2	41.1	52.3	60.6	68.5	71.5	70.1	62.8	51.1	40.3	33.7	51.5	
Nashville	23.0	31.0	38.1	48.8	57.3	65.7	69.0	67.7	60.5	48.6	37.7	31.1	48.7	
Tex. Dallas-Fort Worth	33.9	37.6	43.3	54.1	62.1	70.3	74.0	73.7	66.8	56.0	44.1	37.0	61.4	
El Paso	30.2	34.8	40.3	49.3	57.2	65.7	70.9	68.2	61.0	49.5	37.0	30.9	49.5	
Houston	41.5	44.6	49.8	59.3	65.6	70.9	72.8	72.4	62.2	52.8	49.1	43.4	58.0	
Utah. Salt Lake City	18.5	23.3	28.3	36.0	44.2	51.1	60.5	58.7	49.3	38.4	28.1	21.5	38.2	
Vt. Burlington	7.6	8.9	20.1	32.6	43.5	53.9	58.5	56.4	48.6	38.8	29.7	14.8	34.5	
Va. Norfolk	32.2	32.7	38.0	47.9	57.2	65.5	69.9	68.0	63.0	53.3	42.0	34.0	50.6	
Richmond	27.6	28.8	35.5	45.2	54.5	62.9	67.7	65.9	60.0	47.4	37.3	28.8	46.7	
Wash. Seattle-Tacoma	33.0	36.0	36.6	40.3	45.6	50.6	53.8	53.7	50.4	44.9	38.8	33.5	48.3	
Spokane	19.6	25.3	28.8	35.2	42.8	49.4	55.1	54.0	46.7	37.5	29.2	24.0	44.4	
W. Va. Charleston	25.3	28.3	38.8	45.8	52.8	60.6	64.3	62.8	55.9	44.8	35.0	27.2	44.4	
Wis. Milwaukee	11.4	14.6	23.4	34.7	43.3	53.6	59.3	58.7	50.7	40.6	28.5	18.8	36.8	
Wyo. Cheyenne	14.9	17.3	19.6	30.0	39.7	48.1	54.5	53.2	43.5	33.9	23.5	18.1	33.0	
P. R. San Juan	68.8	68.4	68.9	70.6	72.8	74.0	74.8	75.1	74.6	73.7	72.3	70.5	72.0	

1 City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Local Climatological Data, Monthly with annual summary.

## No. 327. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1974]

STATE AND STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
Ala.———Mobile <sup>1</sup>	13	79	81	89	91	99	101	100	102	98	93	87	81	102	
Alaska.———Juneau <sup>1</sup>	81	57	50	55	71	82	86	84	88	72	61	56	54	86	
Ariz.———Phoenix <sup>1</sup>	14	88	89	95	101	110	116	115	118	110	103	92	82	116	
Ark.———Little Rock <sup>1</sup>	15	81	83	91	90	98	102	105	105	102	97	85	79	103	
Calif.———Los Angeles <sup>1</sup>	14	86	92	88	95	96	92	92	91	110	106	101	88	110	
	Sacramento <sup>1</sup>	14	67	76	86	91	102	115	114	108	105	101	87	72	115
	San Francisco <sup>1</sup>	15	71	72	79	85	94	106	98	98	108	95	85	72	106
Colo.———Denver <sup>1</sup>	15	69	76	84	84	93	98	103	100	97	87	78	73	103	
Conn.———Hartford <sup>1</sup>	16	65	59	77	94	96	100	102	98	96	91	81	65	102	
Del.———Wilmington <sup>1</sup>	27	75	74	86	91	95	99	102	101	100	91	85	72	102	
D.C.———Washington <sup>1</sup>	14	75	77	86	91	97	100	101	99	96	91	86	74	101	
Fla.———Jacksonville <sup>1</sup>	33	85	88	91	95	100	103	105	102	100	96	88	84	105	
	Miami <sup>1</sup>	10	86	88	90	96	93	94	96	96	93	90	87	85	96
Ga.———Atlanta <sup>1</sup>	14	72	79	85	88	93	98	98	98	93	88	84	77	98	
Hawaii.———Honolulu <sup>1</sup>	5	85	85	87	87	88	90	90	91	92	91	89	85	92	
Idaho.———Boise <sup>1</sup>	35	63	67	78	92	98	109	111	110	102	91	73	65	111	
Ill.———Chicago <sup>1</sup>	11	65	65	80	88	93	101	99	98	95	94	78	71	101	
	Pecoria <sup>1</sup>	15	68	70	81	87	91	100	102	98	97	90	70	102	
Ind.———Indianapolis <sup>1</sup>	18	70	74	80	89	93	98	99	100	97	96	88	78	99	
Iowa.———Des Moines <sup>1</sup>	14	62	73	83	90	98	99	104	100	95	95	86	67	104	
Kans.———Wichita <sup>1</sup>	22	75	82	89	96	100	106	113	110	103	95	80	83	113	
Ky.———Louisville <sup>1</sup>	14	71	77	83	88	91	97	101	101	96	90	82	72	101	
La.———New Orleans <sup>1</sup>	28	83	85	87	91	96	100	99	100	97	92	86	84	100	
Maine.———Portland <sup>1</sup>	34	64	64	86	85	92	97	98	100	95	88	74	62	100	
Md.———Baltimore <sup>1</sup>	24	75	76	85	94	98	100	102	102	99	92	83	74	102	
Mass.———Boston <sup>1</sup>	10	63	58	70	85	93	97	98	99	95	86	77	70	99	
Mich.———Detroit <sup>1</sup>	41	87	88	82	87	93	104	105	101	100	92	81	66	105	
	Sault Ste. Marie <sup>1</sup>	34	45	45	75	82	88	92	94	98	93	80	66	59	98
Minn.———Duluth <sup>1</sup>	14	47	44	65	83	90	92	94	95	90	84	63	55	95	
	Minneapolis-St. Paul <sup>1</sup>	15	46	54	83	91	95	99	101	98	95	87	60	62	101
Miss.———Jackson <sup>1</sup>	11	82	82	88	92	99	103	102	99	98	91	88	81	103	
Mo.———Kansas City <sup>1</sup>	2	61	66	82	80	90	98	107	97	98	85	73	67	107	
	St. Louis <sup>1</sup>	14	76	85	88	92	92	98	104	105	100	94	81	76	106
Mont.———Great Falls <sup>1</sup>	14	61	64	72	88	90	97	105	106	98	85	72	61	106	
Nebr.———Omaha <sup>1</sup>	11	64	78	89	93	97	103	110	107	100	95	80	67	110	
Nev.———Reno <sup>1</sup>	11	70	74	88	88	95	100	103	103	96	91	76	70	103	
N.H.———Concord <sup>1</sup>	9	60	57	68	88	93	97	102	96	93	84	78	61	102	
N.J.———Atlantic City <sup>1</sup>	10	78	70	81	94	99	106	104	97	93	87	81	72	106	
N. Mex.———Albuquerque <sup>1</sup>	15	69	75	85	89	95	105	104	99	95	87	78	68	105	
N.Y.———Albany <sup>1</sup>	9	62	57	77	88	92	98	98	98	98	84	77	65	98	
	Buffalo <sup>1</sup>	14	61	60	78	88	88	94	94	98	90	82	80	66	94
	New York <sup>2</sup>	106	72	75	86	92	99	101	106	104	102	94	84	70	106
N.C.———Charlotte <sup>1</sup>	14	74	78	86	91	95	99	99	100	94	87	85	77	100	
	Raleigh <sup>1</sup>	10	77	79	89	93	92	95	97	98	92	89	84	77	98
N. Dak.———Bismarck <sup>1</sup>	15	54	61	80	91	95	100	109	107	100	95	74	62	109	
Ohio.———Cincinnati <sup>1</sup>	13	69	73	80	87	93	97	100	102	98	88	79	70	102	
	Cleveland <sup>1</sup>	14	68	69	80	85	91	95	98	93	93	86	70	69	98
	Columbus <sup>1</sup>	15	68	72	80	88	93	96	97	98	96	86	79	72	98
Oklahoma City <sup>1</sup>	9	79	81	93	100	106	102	108	108	101	96	84	80	108	
Oreg.———Portland <sup>1</sup>	34	62	70	80	87	92	100	107	104	101	90	70	64	107	
	Philadelphia <sup>1</sup>	15	69	69	80	82	98	100	104	99	97	88	81	71	104
	Pittsburgh <sup>3</sup>	15	68	66	80	87	91	96	98	95	95	87	82	72	98
R.I.———Providence <sup>1</sup>	11	65	59	73	90	94	95	97	94	93	85	78	60	97	
S.C.———Columbia <sup>1</sup>	8	84	81	91	94	98	104	103	106	97	90	89	83	106	
S. Dak.———Sioux Falls <sup>1</sup>	11	57	59	87	92	100	101	106	108	101	94	72	60	108	
Tenn.———Memphis <sup>1</sup>	33	78	81	85	91	97	104	106	105	103	95	85	79	106	
	Nashville <sup>1</sup>	9	78	79	86	88	91	98	103	99	95	90	84	74	103
Tex.———Dallas-Fort Worth <sup>1</sup>	11	88	87	96	95	96	105	106	108	102	96	88	84	108	
	El Paso <sup>1</sup>	15	80	83	88	98	101	108	105	100	96	84	80	108	
	Houston <sup>1</sup>	5	83	82	90	89	93	99	101	101	97	92	88	83	101
Utah.———Salt Lake City <sup>1</sup>	15	61	69	78	85	92	104	107	103	96	89	75	67	107	
Vt.———Burlington <sup>1</sup>	10	56	51	67	84	90	98	98	92	90	80	68	62	98	
Va.———Norfolk <sup>1</sup>	26	78	78	85	97	97	101	103	99	98	95	86	79	103	
	Richmond <sup>1</sup>	45	80	83	93	96	100	104	104	102	103	99	86	80	104
Wash.———Seattle-Tacoma <sup>1</sup>	15	61	70	71	77	93	94	97	99	98	80	72	60	99	
	Spokane <sup>1</sup>	15	59	66	71	80	92	100	103	108	98	85	65	53	108
W. Va.———Charleston <sup>1</sup>	27	79	77	87	91	93	98	102	100	102	92	85	80	102	
Wis.———Milwaukee <sup>1</sup>	15	57	51	77	85	89	95	98	99	94	89	74	63	99	
Wyo.———Cheyenne <sup>1</sup>	15	62	71	73	82	90	94	98	96	95	83	70	66	98	
P.R.———San Juan	20	90	92	98	93	94	96	98	96	94	95	92	90	96	

<sup>1</sup> Includes urban data. <sup>2</sup> City office data. <sup>3</sup> Represents combination of several locations within the city.

## Temperature

195

## No. 328. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1974]

STATE AND STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
Ala.-----Mobile <sup>1</sup> -----	13	8	11	11	36	46	56	62	60	42	38	24	10	8	
Alaska----Juneau-----	31	-22	-22	-15	6	25	31	36	27	23	12	-5	-21	-22	
Ariz.-----Phoenix <sup>1</sup> -----	14	19	26	25	37	40	51	67	61	47	34	31	24	19	
Ark.-----Little Rock <sup>1</sup> -----	15	-4	10	17	28	40	46	54	52	38	31	-1	-1	-4	
Calif.-----Los Angeles <sup>1</sup> -----	16	30	37	39	43	45	50	55	59	55	43	38	32	30	
	Sacramento <sup>1</sup> -----	14	23	26	26	33	36	43	50	49	43	36	26	20	20
	San Francisco <sup>1</sup> -----	15	29	35	31	38	40	45	48	49	45	39	35	24	24
Colo.-----Denver <sup>1</sup> -----	15	-25	-18	-4	5	26	36	43	41	20	3	-2	-18	-25	
Conn.-----Hartford <sup>1</sup> -----	15	-26	-21	-6	9	30	37	44	36	30	18	12	-9	-26	
Del.-----Wilmington-----	27	-4	-4	9	22	32	41	50	46	36	24	14	3	-4	
D.C.-----Washington <sup>1</sup> -----	14	3	4	16	27	36	47	56	51	39	29	20	10	3	
Fla.-----Jacksonville-----	33	19	19	25	35	45	56	61	64	50	38	21	12	12	
	Miami <sup>1</sup> -----	10	35	38	37	46	61	67	70	70	56	40	34	34	
Ga.-----Atlanta <sup>1</sup> -----	14	-3	8	21	26	37	48	53	56	36	29	14	1	-3	
Hawaii-----Honolulu <sup>1</sup> -----	5	53	54	58	50	64	65	67	67	68	64	58	54	53	
Idaho-----Boise-----	35	-17	-10	6	19	26	33	41	37	23	11	-3	-23	-23	
Ill.-----Chicago <sup>1</sup> -----	11	-16	-9	5	20	29	41	46	43	34	26	7	-10	-16	
Ind.-----Indianapolis <sup>1</sup> -----	16	-20	-10	-6	18	28	42	48	41	34	20	4	-14	-20	
Iowa-----Des Moines-----	14	-24	-18	-22	15	30	42	47	45	31	14	-3	-16	-24	
Kans.-----Wichita-----	22	-12	-6	-2	17	32	48	51	48	35	23	8	-5	-12	
Ky.-----Louisville <sup>1</sup> -----	14	-20	-4	15	24	31	42	50	49	37	25	10	-3	-20	
La.-----New Orleans <sup>1</sup> -----	28	14	10	26	32	41	55	60	60	42	35	24	17	14	
Maine-----Portland-----	34	-26	-39	-21	8	23	33	40	33	23	18	5	-21	-39	
Md.-----Baltimore <sup>1</sup> -----	24	-7	-1	6	20	32	40	52	48	35	25	13	0	-7	
Mass.-----Boston <sup>1</sup> -----	10	-4	-3	6	22	37	46	54	47	38	30	17	-3	-4	
Mich.-----Detroit-----	41	-13	-16	-1	14	30	38	42	43	32	24	5	-5	-16	
	Sault Ste. Marie-----	34	-28	-28	-24	1	18	28	36	32	25	17	-5	-20	
Minn.-----Duluth <sup>1</sup> -----	14	-39	-32	-28	-	17	27	36	33	23	12	-23	-29	-39	
	Minneapolis-----St. Paul <sup>1</sup> -----	15	-34	-28	-32	2	18	37	43	39	26	15	-17	-24	-34
Miss.-----Jackson <sup>1</sup> -----	11	7	11	18	30	38	49	51	55	35	30	17	14	9	
Mo.-----Kansas City <sup>1</sup> -----	2	-13	-4	-1	25	34	47	52	50	40	28	7	-7	-13	
Mont.-----Great Falls <sup>1</sup> -----	14	-11	-2	3	22	31	43	51	47	36	25	1	-6	-11	
Nebr.-----Omaha <sup>1</sup> -----	11	-22	-17	1	18	31	40	44	43	31	13	-9	-13	-22	
Nev.-----Reno <sup>1</sup> -----	11	-11	0	0	15	29	33	39	33	20	8	8	-10	-18	
N.H.-----Concord <sup>1</sup> -----	9	-29	-27	-16	8	21	30	35	29	22	10	-1	-17	-29	
N.J.-----Atlantic City <sup>1</sup> -----	10	-8	-7	7	12	25	37	46	40	32	23	11	0	-8	
N. Mex.-----Albuquerque <sup>1</sup> -----	15	-17	1	9	22	28	42	54	52	37	25	12	3	-17	
N.Y.-----Albany <sup>1</sup> -----	9	-28	-21	-10	10	26	36	43	37	28	16	5	-22	-28	
	Buffalo <sup>1</sup> -----	14	-11	-20	-4	13	29	36	46	38	32	20	9	-4	-20
	New York <sup>2</sup> -----	106	-6	-15	3	12	32	44	52	50	39	28	5	-13	-15
N.C.-----Charlotte <sup>1</sup> -----	14	4	7	18	25	32	45	53	53	39	24	13	2	2	
	Raleigh <sup>1</sup> -----	10	0	5	17	23	33	43	55	46	39	24	11	9	0
N. Dak.-----Bismarck-----	15	-42	-37	-28	9	15	30	35	33	11	5	-29	-43	-43	
Ohio.-----Cincinnati-----	13	-19	-10	9	17	27	30	47	43	33	16	6	-11	-19	
	Cleveland <sup>1</sup> -----	14	-19	-15	4	10	25	31	41	41	34	22	13	-4	-19
	Columbus <sup>1</sup> -----	15	-15	-11	-2	18	25	35	43	39	31	20	11	-10	-15
Okl.-----Oklahoma City <sup>1</sup> -----	9	-1	3	0	23	39	51	53	54	37	31	17	1	-1	
Oreg.-----Portland-----	34	-2	-8	19	20	29	39	43	44	34	26	13	6	-3	
Pa.-----Philadelphia <sup>1</sup> -----	15	-5	-4	9	24	28	44	51	45	35	25	17	3	-5	
	Pittsburgh <sup>1</sup> -----	15	-18	-9	-1	15	26	34	42	40	31	16	8	-5	-18
R.I.-----Providence <sup>1</sup> -----	11	-5	-5	1	19	32	41	49	49	34	21	14	-2	-5	
S.C.-----Columbia <sup>1</sup> -----	8	5	5	20	29	36	46	50	53	40	22	12	7	5	
S. Dak.-----Sioux Falls <sup>1</sup> -----	11	-36	-30	-10	18	17	33	38	37	22	9	-17	-26	-36	
Tenn.-----Memphis-----	33	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13	
	Nashville <sup>1</sup> -----	9	-6	-5	14	24	35	42	54	51	37	12	6	-6	
Tex.-----Dallas-Ft. Worth <sup>1</sup> -----	11	4	12	19	30	42	51	59	56	46	37	24	10	4	
	El Paso <sup>1</sup> -----	15	-8	11	14	24	31	40	52	62	51	30	25	18	-8
	Houston <sup>1</sup> -----	5	19	22	25	31	40	52	62	62	51	30	25	21	19
Utah.-----Salt Lake City <sup>1</sup> -----	15	-18	-4	2	22	25	35	40	37	27	16	11	-15	-18	
Vt.-----Burlington-----	10	-27	-25	-13	2	24	33	40	35	29	15	2	-23	-27	
Va.-----Norfolk-----	26	8	8	20	28	36	45	56	52	45	29	20	14	8	
	Richmond-----	45	-12	-10	11	26	31	40	51	46	35	21	10	-1	-12
Wash.-----Seattle-Tacoma <sup>1</sup> -----	15	12	18	23	30	33	41	45	45	35	30	28	6	6	
	Spokane <sup>1</sup> -----	15	-19	-12	1	17	26	34	38	35	25	13	-2	-25	
W. Va.-----Charleston-----	27	-12	-6	7	19	26	33	46	41	34	17	6	-2	-12	
Wis.-----Milwaukee <sup>1</sup> -----	15	-24	-15	-10	13	21	36	40	44	28	21	6	-15	-24	
	Cheyenne <sup>1</sup> -----	15	-27	-24	-11	-2	21	34	39	39	22	7	-8	-24	-27
P.R.-----San Juan-----	20	61	62	60	64	66	69	69	70	69	67	66	63	60	

- Represents zero. <sup>1</sup> Includes urban data. <sup>2</sup> City office data. <sup>3</sup> Represents combination of several locations within the city.Source: U.S. National Oceanic and Atmospheric Administration, *Local Climatological Data. Monthly with annual summary*.

## Geography and Environment

## No. 329. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

[In inches. Airport data unless otherwise noted. Based on standard 30-year period, 1941 to 1970. T denotes trace.  
See *Historical Statistics, Colonial Times to 1970*, series J 164-287, for related data.]

STATE AND STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.--- Mobile	4.71	4.76	7.07	5.59	4.52	6.09	8.86	6.93	6.59	2.55	3.39	5.92	66.98
Alaska--- Juneau	3.04	3.44	3.57	2.99	3.81	2.98	4.69	5.00	6.90	7.85	5.53	4.52	54.67
Ariz.--- Phoenix	0.71	0.60	0.76	0.39	0.14	0.12	0.75	1.22	0.69	0.46	0.46	0.82	7.05
Ark.--- Little Rock	4.24	4.42	4.93	5.25	5.30	3.50	3.38	3.01	3.55	2.99	3.86	4.09	48.62
Calif.--- Los Angeles	2.52	2.32	1.71	1.10	0.08	0.03	0.01	0.02	0.07	0.23	1.76	2.39	11.59
Calif.--- Sacramento	3.73	2.68	2.17	1.54	0.51	0.10	0.01	0.05	0.19	0.99	2.13	3.12	17.22
Calif.--- San Francisco	4.37	3.04	2.54	1.59	0.41	0.13	0.01	0.03	0.16	0.98	2.29	3.38	19.53
Colo.--- Denver	0.61	0.67	1.21	1.93	2.64	1.93	1.78	1.28	1.13	1.13	0.70	0.48	15.51
Conn.--- Hartford	3.28	3.17	3.82	3.75	3.50	3.53	3.41	3.94	3.55	3.30	4.33	4.08	48.37
Del.--- Wilmington	2.85	2.75	3.74	3.20	3.35	3.24	4.31	3.98	3.42	2.60	3.49	3.32	40.25
D.C.--- Washington	2.62	2.45	3.33	2.86	3.68	3.48	4.12	4.07	3.08	2.66	2.90	3.04	38.89
Fla.--- Jacksonville	2.78	3.48	3.56	3.07	3.22	6.27	7.35	7.89	7.83	4.54	1.70	2.59	54.47
Fla.--- Miami	2.15	1.95	2.07	3.00	6.12	9.00	6.91	6.72	8.74	8.18	2.72	1.64	59.80
Ga.--- Atlanta	4.34	4.41	5.84	4.61	3.71	3.67	4.90	3.54	3.15	2.50	3.43	4.24	48.34
Hawaii--- Honolulu	4.40	2.46	3.18	1.36	0.96	0.82	0.60	0.76	0.67	1.51	2.99	3.69	22.90
Idaho--- Boise	1.47	1.16	1.01	1.14	1.32	1.06	0.15	0.30	0.41	0.80	1.32	1.36	11.50
Ill.--- Chicago	1.85	1.59	2.73	3.75	3.41	3.05	4.09	3.14	3.00	2.62	2.20	2.11	34.44
Ind.--- Peoria	1.82	1.50	2.80	4.36	3.87	3.91	3.76	3.07	3.55	2.51	2.02	1.89	35.06
Iowa--- Des Moines	2.86	2.36	3.75	3.87	4.08	4.16	3.67	2.80	2.87	2.51	3.10	2.71	38.74
Kans.--- Wichita	0.85	0.98	1.78	2.95	3.60	4.49	4.35	3.10	3.69	2.50	1.17	1.12	30.58
Ky.--- Louisville	3.53	3.47	5.05	4.10	4.20	4.05	3.76	2.99	2.94	2.35	3.38	3.34	43.11
La.--- New Orleans	4.53	4.82	5.49	4.15	4.20	4.74	6.72	5.27	5.58	2.26	3.88	5.13	56.77
Maine--- Portland	3.38	3.52	3.60	3.34	3.33	3.10	2.61	2.60	3.09	3.31	4.86	4.06	40.80
Md.--- Baltimore	2.91	2.81	3.69	3.07	3.61	3.77	4.07	4.21	3.12	2.81	3.13	3.26	40.46
Mass.--- Boston	3.69	3.54	4.01	3.49	3.47	3.19	2.74	3.46	3.16	3.02	4.51	4.24	42.52
Mich.--- Detroit	1.93	1.80	2.33	3.08	3.43	3.04	2.99	3.04	2.30	2.52	2.31	2.19	30.96
Mich.--- Saginaw Ste.	1.02	1.48	1.74	2.22	3.01	3.81	2.60	3.10	3.85	2.85	3.26	2.36	31.70
Minn.--- Duluth	1.16	0.85	1.76	2.55	3.41	4.44	3.73	3.79	3.06	2.30	1.73	1.40	30.18
Minn.--- Minneapolis	0.73	0.84	1.68	2.04	3.37	3.94	3.69	3.05	2.73	1.78	1.20	0.89	25.94
Miss.--- Jackson	4.53	4.62	5.63	4.65	4.38	3.40	4.27	3.59	2.99	2.22	3.87	5.04	49.19
Mo.--- Kansas City	1.25	1.25	2.58	3.50	4.28	5.55	4.37	3.81	4.21	3.24	1.47	1.52	37.00
Mo.--- St. Louis	1.85	2.06	3.03	3.92	3.86	4.42	3.69	2.87	2.89	2.79	2.47	2.04	35.89
Mont.--- Great Falls	0.88	0.75	0.97	1.18	2.37	3.11	1.27	1.09	1.17	0.68	0.81	0.71	14.99
Nebr.--- Omaha	0.76	0.98	1.50	2.97	4.11	4.94	3.71	3.97	3.27	1.93	1.11	0.84	30.18
Nev.--- Reno	1.21	0.86	0.70	0.47	0.66	0.40	0.26	0.22	0.23	0.42	0.68	1.06	7.20
N.H.--- Concord	2.67	2.45	2.77	2.02	3.02	3.35	3.14	2.89	3.06	2.68	3.06	3.26	36.17
N.J.--- Atlantic City	3.56	3.27	4.31	3.87	3.54	3.38	4.36	4.90	2.99	3.46	4.21	4.01	45.46
N. Mex.--- Albuquerque	0.30	0.39	0.47	0.48	0.53	0.50	1.39	1.34	0.77	0.79	0.29	0.52	7.77
N.Y.--- Albany	2.20	2.11	2.58	2.70	3.26	3.00	3.12	2.87	3.12	2.63	2.84	2.93	33.36
N.Y.--- Buffalo	2.00	2.55	2.85	3.15	2.97	2.23	2.93	3.53	3.25	3.01	3.74	3.00	36.11
N.Y.--- New York <sup>1</sup>	2.71	2.92	3.73	3.30	3.47	2.96	3.68	4.01	3.27	2.85	3.76	3.53	40.19
N.C.--- Charlotte	3.51	3.53	4.52	3.40	2.90	3.70	4.57	3.96	3.46	2.69	2.74	3.44	42.72
N.C.--- Raleigh	3.22	3.32	3.44	3.07	3.32	3.67	5.05	4.98	3.78	2.81	2.82	3.08	42.54
N. Dak.--- Bismarck	0.51	0.44	0.73	1.44	2.17	3.58	2.20	1.06	1.32	0.80	0.56	0.45	16.16
Ohio--- Cincinnati	3.34	3.04	4.09	3.64	3.74	3.81	4.12	2.62	2.55	2.15	3.08	2.86	30.04
Ohio--- Cleveland	2.56	2.18	3.05	3.49	3.49	3.28	3.45	3.00	2.80	2.57	2.76	2.39	34.99
Ohio--- Columbus	2.87	2.82	3.44	3.71	4.10	4.13	4.21	2.86	2.41	1.89	2.68	2.39	37.01
Oklahoma--- Oklahoma City	1.11	1.32	2.05	3.47	5.20	4.22	2.66	2.56	3.55	2.57	1.40	1.26	31.37
Oreg.--- Portland	5.88	4.06	3.64	2.22	2.09	1.50	0.47	0.82	1.60	3.59	5.61	6.04	37.61
Pa.--- Philadelphia	2.81	2.62	3.69	3.20	3.35	3.70	4.00	4.11	3.03	2.58	3.39	3.32	39.93
R.I.--- Providence	2.70	2.35	3.60	3.40	3.63	3.48	3.84	3.15	2.52	2.52	2.47	2.48	36.23
S.C.--- Columbia	3.44	3.67	4.67	3.51	3.58	3.82	5.67	5.63	4.82	2.98	2.34	3.38	46.26
S.Dak.--- Sioux Falls	0.57	1.04	1.40	2.30	3.37	4.32	2.94	2.84	2.85	1.50	0.85	0.74	24.72
Tenn.--- Memphis	4.93	4.73	5.10	5.42	4.39	3.46	3.53	3.33	3.01	2.58	3.92	4.70	49.10
Tenn.--- Nashville	4.75	4.43	5.00	4.11	4.10	3.38	3.83	3.24	3.09	2.16	3.46	4.45	46.00
Tex.--- Dallas-Fort Worth	1.80	2.38	2.54	4.30	4.47	3.05	1.84	2.26	3.15	2.68	2.03	1.82	32.80
Tex.--- El Paso	0.39	0.42	0.39	0.24	0.32	0.60	1.53	1.12	1.16	0.78	0.32	0.50	7.77
Tex.--- Houston	3.57	3.54	2.68	3.54	5.10	4.52	4.12	4.35	4.65	4.05	4.03	4.04	48.10
Utah--- Salt Lake City	1.27	1.19	1.63	2.12	1.49	1.30	0.70	0.93	0.68	1.16	1.31	1.39	15.17
Vt.--- Burlington	1.74	1.68	1.93	2.62	3.01	3.46	3.54	3.72	3.05	2.74	2.86	2.19	32.54
Va.--- Norfolk	3.35	3.31	3.42	2.71	3.34	3.62	5.70	5.92	4.20	3.06	2.94	3.11	44.68
Wash.--- Seattle-Tacoma	5.79	4.19	3.61	2.46	1.70	1.53	0.71	1.08	1.99	3.91	5.88	5.94	38.79
Wash.--- Spokane	2.47	1.68	1.53	1.12	1.46	1.36	0.40	0.58	0.83	1.42	2.20	2.37	17.42
W. Va.--- Charleston	3.39	3.11	4.03	3.33	3.48	3.31	5.04	3.68	2.94	2.45	2.81	3.18	40.75
Wis.--- Milwaukee	1.63	1.18	2.24	2.76	2.88	3.58	3.41	2.68	3.02	1.98	2.01	1.75	29.07
Wyo.--- Cheyenne	0.46	0.46	1.05	1.57	2.52	2.41	1.82	1.45	1.03	0.95	0.58	0.35	14.65
P.R.--- San Juan	3.73	2.50	2.04	3.40	6.54	5.64	6.41	6.98	6.07	5.64	5.49	4.71	59.15

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Local Climatological Data*. Monthly with annual summary.

## Precipitation

197

No. 380. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF 0.01 INCH OR MORE—  
SELECTED CITIES

[Airport data, except as noted. For period of record through 1974].

STATE AND STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala. .... Mobile	33	11	10	11	7	8	11	17	14	10	6	8	11	123
Alaska .... Juneau	31	17	17	18	17	17	15	17	18	20	24	19	21	220
Ariz. .... Phoenix	35	4	4	3	2	1	1	4	5	3	3	2	4	34
Ark. .... Little Rock	32	10	9	10	11	10	8	8	7	7	7	8	9	104
Calif. .... Los Angeles	39	6	6	5	3	1	1	1	(Z)	1	2	4	6	35
Calif. .... Sacramento	35	10	9	8	6	3	1	(Z)	(Z)	1	3	7	10	58
Calif. .... San Francisco	47	11	10	9	6	3	1	(Z)	(Z)	1	4	7	10	62
Colo. .... Denver	40	6	6	9	9	10	1	9	8	6	6	5	5	88
Conn. .... Hartford	20	10	11	11	11	11	11	10	10	10	8	12	13	127
Del. .... Wilmington	27	11	10	11	11	12	9	9	9	8	8	7	9	116
D.C. .... Washington	33	10	9	11	10	11	9	9	9	8	7	8	9	111
Fla. .... Jacksonville	33	8	8	8	6	8	12	15	15	18	9	8	8	116
Fla. .... Miami	32	7	6	6	6	10	15	16	17	18	15	8	6	120
Ga. .... Atlanta	40	12	10	12	9	9	10	12	9	7	6	8	11	115
Hawaii .... Honolulu	25	10	10	9	9	7	6	8	7	7	10	10	11	103
Idaho .... Boise	35	13	10	9	8	8	7	2	2	4	7	10	12	91
Ill. .... Chicago	32	11	10	13	13	12	11	10	9	9	8	10	11	128
Ill. .... Peoria	35	9	8	11	12	12	10	8	8	9	8	8	10	111
Ind. .... Indianapolis	35	11	10	13	12	12	10	9	8	8	8	10	12	123
Iowa .... Des Moines	35	7	7	10	10	11	11	9	9	9	7	6	8	106
Kans. .... Wichita	21	5	7	7	10	10	9	9	7	8	8	6	8	84
Ky. .... Louisville	27	12	11	13	12	11	10	11	8	8	7	10	12	124
La. .... New Orleans	26	10	10	9	7	7	10	15	13	10	6	7	10	113
Maine .... Portland	34	11	10	11	12	13	11	9	9	9	8	9	11	127
Md. .... Baltimore	24	10	9	11	11	11	10	9	8	10	7	6	9	112
Mass. .... Boston	23	12	11	11	12	12	11	9	9	10	9	9	12	128
Mich. .... Detroit	35	13	12	13	12	12	11	9	9	9	9	9	11	131
Mich. .... Sault Ste. Marie	33	19	15	13	12	11	11	10	11	13	13	17	19	164
Minn. .... Duluth	33	12	10	11	11	13	12	12	11	11	9	11	13	135
Minn. .... Minneapolis	36	8	7	10	10	12	12	10	9	9	8	8	9	113
Miss. .... Jackson	11	12	9	11	9	9	7	10	10	11	9	8	8	111
Mo. .... Kansas City	2	10	5	15	9	11	8	6	6	10	12	8	10	109
Mo. .... St. Louis	17	8	8	11	12	10	9	9	7	9	8	8	10	109
Mont. .... Great Falls	37	9	8	9	9	11	12	7	7	7	6	7	7	99
Nebr. .... Omaha	39	7	7	9	9	12	11	3	3	2	2	3	5	49
Nev. .... Reno	32	6	5	6	4	5	3	3	3	2	3	3	4	125
N.J. .... Concord	33	11	10	11	12	12	11	10	10	9	9	9	9	112
N.J. .... Atlantic City	31	11	10	11	11	10	9	9	9	7	7	7	9	135
N.Mex. .... Albuquerque	35	4	4	4	3	4	4	4	9	10	5	5	4	58
N.Y. .... Albany	28	12	11	12	12	13	11	11	10	10	9	8	12	135
N.Y. .... Buffalo	31	20	17	16	15	13	10	10	10	10	10	11	16	108
N.C. .... New York <sup>1</sup>	106	11	10	12	11	11	10	11	11	10	8	8	10	121
N.C. .... Charlotte	35	10	10	11	9	9	9	9	12	10	7	7	7	111
N.C. .... Raleigh	30	10	10	9	9	10	9	11	10	8	7	8	9	95
N. Dak. .... Bismarck	35	8	7	8	8	10	12	9	8	7	5	6	7	6
Ohio .... Cincinnati	27	12	11	13	13	12	10	10	8	8	8	11	12	129
Ohio .... Cleveland	33	16	15	16	15	13	11	10	10	10	10	15	16	136
Ohio .... Columbus	35	13	12	14	13	13	11	11	9	9	8	11	13	136
Okl. .... Oklahoma City	35	5	7	7	8	10	9	7	7	7	6	5	8	82
Oreg. .... Portland	34	19	16	17	14	12	9	4	5	8	13	18	19	153
Pa. .... Philadelphia	34	11	9	11	11	11	10	9	9	9	8	12	17	152
R.I. .... Pittsburgh	22	16	14	16	14	12	11	11	11	11	9	12	12	124
S.C. .... Providence	21	11	11	11	11	11	11	9	10	10	8	8	11	110
S.C. .... Columbia	27	10	10	11	8	9	9	9	12	11	8	6	9	93
S. Dak. .... Sioux Falls	29	5	6	8	8	10	10	11	9	9	8	7	6	108
Tenn. .... Memphis	24	10	10	11	10	9	8	8	9	8	7	6	11	110
Tenn. .... Nashville	33	11	11	12	11	10	10	10	9	9	8	7	9	111
Tex. .... Dallas-Fort Worth	21	7	7	9	8	6	5	5	5	8	6	6	7	79
Tex. .... El Paso	35	3	3	2	2	2	3	8	7	11	11	4	4	45
Tenn. .... Houston	5	11	7	10	6	9	7	9	11	11	8	9	9	88
Utah .... Salt Lake City	46	10	9	9	10	7	6	4	6	5	6	7	9	98
Vt. .... Burlington	31	14	12	13	12	14	12	12	12	12	11	14	14	152
Va. .... Norfolk	26	10	10	11	10	10	9	9	11	11	8	8	9	116
Va. .... Richmond	37	10	9	11	9	11	10	11	10	10	8	7	8	91
Wash. .... Seattle-Tacoma	30	20	16	18	14	10	9	5	6	14	13	16	16	114
Wash. .... Spokane	27	15	11	11	9	9	8	4	5	6	9	12	14	149
W. Va. .... Charleston	27	15	14	15	14	13	11	13	10	10	9	9	10	111
Wis. .... Milwaukee	34	11	9	12	12	12	11	9	9	9	9	9	10	122
Wyo. .... Cheyenne	39	6	6	10	10	12	11	11	9	9	7	5	6	97
P.R. .... San Juan	19	17	13	12	14	17	17	20	19	18	17	18	19	200

Z Less than  $\frac{1}{2}$  day. <sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Local Climatological Data, Monthly with annual summary.

# Geography and Environment

## No. 331. AVERAGE TOTAL SNOW AND ICE PELLETS—SELECTED CITIES

[In inches. Airport data, except as noted. For period of record through 1972. T denotes trace]

STATE AND STATION	Length of record (yr.)													An- nual
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Ala. .... Mobile	31	0.1	0.1	0.1	-	-	-	-	-	-	T	0.1	0.4	
Alaska .... Juneau	29	23.8	21.2	19.4	5.3	0.1	T	-	-	1.3	11.3	28.9	106.3	
Ariz. .... Phoenix	35	T	T	T	-	-	-	-	-	-	-	-	T	
Ark. .... Little Rock	20	2.3	1.4	0.8	T	-	-	-	-	-	-	0.2	1.1	
Calif. .... Los Angeles <sup>1</sup>	32	T	T	-	-	-	-	-	-	-	-	-	T	
Calif. .... Sacramento	24	T	T	-	-	-	-	-	1.9	3.9	7.5	5.8	55.7	
Calif. .... San Francisco	38	T	T	T	-	1.5	T	-	-	T	2.0	13.8	56.3	
Colo. .... Denver	38	8.3	8.1	12.5	9.2	1.5	T	-	-	-	-	-	-	
Conn. .... Hartford	18	11.0	13.0	13.8	1.8	T	-	-	-	T	1.2	4.3	21.3	
Del. .... Wilmington	25	5.8	5.8	4.1	0.1	T	-	-	-	T	0.8	3.9	17.5	
D.C. .... Washington	29	4.9	5.3	2.6	T	T	-	-	-	-	-	-	-	
Fla. .... Jacksonville	31	T	T	T	-	-	-	-	-	-	-	-	T	
Fla. .... Miami	30	-	0.5	0.2	-	-	-	-	-	-	-	0.2	1.6	
Ga. .... Atlanta	38	0.7	-	-	-	-	-	-	-	-	-	-	-	
Hawaii .... Honolulu	26	-	-	-	-	-	-	-	-	0.1	1.5	5.6	21.5	
Idaho .... Boise	33	7.7	3.8	1.9	0.8	0.1	T	T	-	-	-	0.4	2.6	9.7
Ill. .... Chicago	30	9.7	8.1	8.0	1.2	T	-	-	-	-	0.1	1.9	5.2	39.0
Ind. .... Peoria	29	5.8	4.6	5.0	0.6	T	-	-	-	T	2.1	4.1	20.4	
Iowa .... Indianapolis	41	5.0	5.1	3.7	0.4	T	-	-	-	T	0.1	2.5	6.1	32.3
Iowa .... Des Moines	33	8.3	6.8	7.4	1.1	T	-	-	-	T	0.9	3.1	14.9	
Kans. .... Wichita	19	3.6	3.9	3.3	0.1	-	-	-	-	-	1.6	2.5	18.3	
Ky. .... Louisville	25	5.3	4.8	4.0	0.1	-	-	-	-	-	0.1	-	0.2	
La. .... New Orleans	26	T	0.1	T	-	-	-	-	-	-	-	-	-	
Maine .... Portland	32	18.1	21.6	14.3	3.1	0.3	-	-	-	T	0.3	3.5	15.8	
Md. .... Baltimore	22	5.5	6.5	5.3	0.1	T	-	-	-	T	1.3	4.8	28.5	
Mass. .... Boston	37	12.2	12.2	8.5	0.7	T	-	-	-	T	1.2	8.0	42.8	
Mich. .... Detroit	37	8.1	7.6	5.4	1.2	T	-	-	-	T	2.5	6.8	31.6	
Minn. .... Sault Ste. Marie	31	25.6	18.7	14.7	4.8	0.7	T	-	0.2	2.4	14.7	26.4	108.2	
Minn. .... Duluth	29	17.1	12.3	13.5	7.6	1.0	T	-	T	1.2	10.0	16.8	79.0	
Minn. .... Minneapolis-St. Paul	34	8.6	8.2	10.6	2.5	0.2	-	-	0.1	0.3	5.8	8.8	T	
Miss. .... Jackson	9	0.2	0.4	0.6	T	-	-	-	-	T	1.0	4.5	19.8	
Mo. .... Kansas City	38	5.6	4.0	4.0	0.7	T	-	-	-	T	1.2	2.9	16.8	
Mont. .... Great Falls	35	10.0	8.0	9.6	6.3	1.3	0.5	T	-	1.3	2.7	7.3	56.5	
Nebr. .... Omaha	37	7.0	7.5	7.1	0.8	0.1	-	-	-	T	0.3	2.4	5.9	32.0
Nev. .... Reno	30	6.6	4.8	5.0	1.8	1.1	T	-	-	T	0.4	1.7	5.1	26.2
N.H. .... Concord	31	16.7	16.2	11.6	2.2	0.2	-	-	-	T	4.2	14.0	65.2	
N.J. .... Atlantic City	28	5.2	5.2	3.4	0.3	-	-	-	-	T	0.5	2.6	17.2	
N. Mex. .... Albuquerque	33	1.8	1.8	1.7	0.3	T	-	-	-	T	1.3	2.8	9.7	
N.Y. .... Albany	26	15.1	15.6	12.9	2.5	0.1	-	-	-	T	0.1	4.6	16.4	67.3
N.Y. .... Buffalo	29	22.4	18.3	12.2	2.7	0.1	-	-	-	T	12.8	20.2	89.0	
N.C. .... New York <sup>1</sup>	104	7.6	8.7	5.3	1.0	T	-	-	-	T	1.0	6.0	29.6	
N.C. .... Charlotte	33	2.2	1.4	1.3	T	-	-	-	-	-	0.1	0.6	5.6	
N.C. .... Raleigh	28	2.8	2.0	1.4	T	-	-	-	-	-	0.1	1.0	7.3	
N. Dak. .... Bismarck	33	7.4	6.2	7.8	4.0	1.2	T	-	0.3	1.3	4.8	6.1	39.1	
Ohio .... Cincinnati <sup>1</sup>	57	5.1	4.3	3.4	0.5	T	-	-	-	T	0.1	1.6	3.9	18.9
Ohio .... Cleveland	31	10.2	10.7	10.4	2.1	T	-	-	-	T	0.8	5.7	10.6	50.5
Ohio .... Columbus	25	7.2	6.2	5.4	0.6	T	-	-	-	T	0.1	3.1	5.9	28.5
Oklahoma .... Oklahoma City	33	2.8	2.5	2.0	T	-	-	-	-	T	0.5	1.6	T	
Oreg. .... Portland	32	4.8	0.8	0.6	T	-	-	-	-	T	0.3	2.7	8.2	
Pa. .... Philadelphia	30	5.6	6.2	4.0	0.3	T	-	-	-	T	0.1	2.7	6.4	30.9
P.I. .... Pittsburgh	38	7.6	6.9	6.4	0.8	T	-	-	-	T	0.1	0.4	8.4	40.1
S.C. .... Providence	19	9.6	10.4	10.5	0.7	-	-	-	-	T	0.4	1.2	-	
S.C. .... Columbia	25	0.3	0.3	0.2	-	-	-	-	-	T	0.4	3.8	7.8	40.3
S.Dak. .... Sioux Falls	27	5.0	10.1	10.5	1.8	T	-	-	-	T	1.1	7.0	6.0	
Tenn. .... Memphis	22	2.1	1.4	1.4	T	-	-	-	-	-	0.7	2.1	11.4	
Tenn. .... Nashville	31	3.7	2.8	2.0	0.1	-	-	-	-	-	-	-	-	
Tex. .... Dallas	32	1.2	0.4	0.2	-	-	-	-	-	-	0.9	1.0	4.3	
Tex. .... El Paso	33	1.3	0.7	0.4	T	-	-	-	-	-	-	0.4	-	
Tex. .... Houston	38	0.2	0.2	T	-	-	-	-	-	0.1	1.2	5.9	12.3	
Utah .... Salt Lake City	44	13.1	9.7	9.1	4.4	0.5	T	-	-	T	0.2	7.0	19.8	77.9
Vt. .... Burlington	29	17.5	18.1	12.3	2.8	0.2	-	-	-	T	1.3	T	7.2	
Va. .... Norfolk	24	3.1	1.9	0.8	0.1	-	-	-	-	T	0.5	2.1	14.8	
Va. .... Richmond	35	5.4	3.6	3.1	0.1	T	-	-	-	T	0.1	1.1	3.3	16.1
Wash. .... Seattle-Tacoma	28	7.7	1.9	1.9	0.1	T	-	-	-	T	0.5	5.1	16.0	53.6
Wash. .... Spokane	25	19.0	7.3	5.0	0.5	0.2	T	-	-	T	0.2	3.0	5.6	29.2
W. Va. .... Charleston	25	8.4	7.0	4.4	0.3	T	-	-	-	T	2.6	9.7	43.7	
Wis. .... Milwaukee	32	12.6	7.9	9.7	1.2	T	-	-	-	T	2.6	5.0	3.0	
Wyo. .... Cheyenne	37	5.9	5.8	11.4	9.5	3.5	0.4	-	-	0.7	3.6	5.8	5.0	
P.R. .... San Juan	17	-	-	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup> Represents zero.

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Local Climatological Data*. Monthly with annual summary.

## No. 332. AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE—SELECTED CITIES

[Airport data, for period of record through 1974, except as noted]

STATE AND STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala. .... Mobile 1.....	48	49	51	57	65	60	67	61	63	64	72	62	48	61
Alaska .... Juneau.....	29	33	31	37	38	38	34	31	30	25	19	23	20	31
Ariz. .... Phoenix.....	79	78	80	88	89	93	94	85	85	89	88	83	77	86
Ark. .... Little Rock.....	32	46	54	57	61	68	73	71	73	68	69	56	48	63
Calif. .... Los Angeles.....	31	71	72	78	70	66	65	82	83	79	73	74	71	73
Calif. .... Sacramento.....	26	45	61	71	81	86	92	97	96	94	85	63	45	79
Calif. .... San Francisco.....	36	50	62	70	73	72	78	68	66	73	71	63	54	67
Colo. .... Denver.....	25	72	71	70	66	64	70	70	72	74	72	65	68	70
Conn. .... Hartford.....	20	58	57	56	58	58	58	61	63	60	59	46	48	57
Del. .... Wilmington 1.....	25	50	54	57	57	59	59	64	63	61	60	50	51	53
D. C. .... Washington.....	26	48	51	55	55	58	64	62	62	62	60	50	47	57
Fla. .... Jacksonville.....	24	57	61	66	71	69	62	60	57	53	56	61	56	61
Fla. .... Miami 2.....	22	68	74	74	72	68	62	62	63	58	59	66	65	66
Ga. .... Atlanta.....	40	47	52	57	65	65	69	67	62	65	63	67	60	61
Hawaii .... Honolulu.....	22	68	65	70	67	70	71	74	75	75	67	60	59	68
Idaho .... Boise.....	34	41	52	63	63	71	75	89	86	82	68	45	39	68
Ill. .... Chicago.....	32	44	47	51	53	61	67	69	68	68	63	61	41	57
Ill. .... Peoria.....	31	46	50	51	55	59	65	68	68	68	62	44	40	57
Ind. .... Indianapolis.....	81	41	51	51	55	61	68	70	71	67	64	42	39	58
Iowa .... Des Moines.....	24	51	55	54	55	60	67	71	70	64	63	50	45	60
Kans. .... Wichita.....	21	68	59	60	62	64	69	73	73	65	65	60	56	65
Ky. .... Louisville.....	27	41	47	50	52	62	67	66	68	65	63	46	40	57
La. .... New Orleans.....	1	23	66	62	70	53	60	56	57	57	82	64	53	59
Maine .... Portland.....	34	55	59	56	56	56	59	64	65	61	58	46	53	58
Md. .... Baltimore.....	24	51	55	55	55	57	62	65	62	61	60	51	48	57
Mass. .... Boston.....	39	54	56	57	56	58	63	65	66	64	61	51	52	59
Mich. .... Detroit 3.....	32	32	43	49	49	52	59	65	70	65	61	56	35	54
Mich. .... Sault Ste. Marie.....	33	35	46	54	54	56	57	63	58	46	41	23	28	47
Minn. .... Duluth.....	24	49	55	57	54	55	59	67	61	52	48	33	40	54
Minn. .... Minneapolis-St. Paul.....	38	51	57	54	55	58	63	70	67	61	57	39	41	58
Miss. .... Jackson.....	10	46	56	61	62	64	68	63	58	66	54	45	60	60
Mo. .... Kansas City.....	2	67	62	59	60	67	74	83	66	48	55	53	61	64
Mo. .... St. Louis.....	15	52	52	54	56	61	69	70	66	63	61	49	42	58
Mont. .... Great Falls.....	32	49	57	68	63	64	65	81	78	67	61	46	46	64
Nebr. .... Omaha.....	30	55	55	55	59	62	68	76	72	67	67	52	48	62
Nev. .... Reno.....	32	66	68	74	80	80	84	92	63	58	66	70	63	80
N.H. .... Concord.....	33	52	54	52	52	53	57	62	60	55	54	41	47	51
N.J. .... Atlantic City.....	14	50	49	52	53	54	58	59	62	59	58	51	43	54
N. Mex. .... Albuquerque.....	35	73	73	74	77	80	83	76	76	81	79	77	72	77
N.Y. .... Albany.....	86	46	51	52	53	55	59	59	64	61	57	54	36	53
N.Y. .... Buffalo.....	31	84	40	47	52	58	58	66	69	67	61	53	29	53
N.C. .... New York 4.....	98	51	55	56	56	59	61	64	65	64	63	61	52	49
N.C. .... Charlotte.....	24	55	59	63	70	70	71	68	70	68	69	64	58	66
N. Dak. .... Bismarck.....	35	55	56	60	59	63	64	76	74	65	60	62	68	69
Ohio .... Cincinnati.....	57	42	45	51	58	61	68	69	67	66	59	44	30	54
Ohio .... Cleveland.....	33	32	37	44	53	59	65	67	65	60	55	30	26	52
Okl. .... Oklahoma City.....	22	58	61	64	63	65	73	76	77	69	67	60	58	67
Oreg. .... Portland.....	25	25	35	42	48	54	51	61	64	59	41	28	20	47
Pa. .... Philadelphia.....	32	50	53	56	56	58	63	62	62	60	60	52	49	58
Pa. .... Pittsburgh.....	22	37	39	46	49	58	60	62	61	61	56	40	30	51
R.I. .... Providence.....	21	57	56	55	56	57	58	59	60	60	59	60	48	56
S.C. .... Columbia.....	21	57	60	64	68	66	64	64	64	64	65	65	60	63
S. Dak. .... Sioux Falls 1.....	27	54	59	55	60	63	67	77	74	67	65	52	48	63
Tenn. .... Memphis.....	24	48	54	57	63	69	73	73	75	69	71	58	49	64
Tenn. .... Nashville.....	33	40	47	52	59	62	67	64	66	63	64	50	40	57
Tex. .... Dallas.....	32	51	54	59	57	61	78	77	75	69	65	62	55	65
Tex. .... El Paso.....	32	78	82	84	87	89	89	79	80	82	84	83	78	83
Tex. .... Houston.....	5	40	55	50	55	59	65	70	62	55	61	56	73	57
Utah .... Salt Lake City.....	37	47	55	64	69	73	78	84	83	88	73	54	44	70
Vt. .... Burlington.....	31	42	49	52	50	55	60	65	62	62	60	57	63	51
Va. .... Norfolk.....	19	57	58	63	66	67	68	65	65	65	64	60	56	60
Wash. .... Richmond.....	24	51	55	59	62	64	67	66	64	63	60	42	26	49
Wash. .... Seattle-Tacoma.....	9	21	43	46	50	57	54	67	67	67	59	42	28	40
Wash. .... Spokane.....	26	27	41	54	60	63	65	61	57	78	70	51	28	57
W. Va. .... Charleston.....	69	31	36	42	49	56	60	62	60	60	54	37	29	48
Wis. .... Milwaukee.....	34	45	47	51	54	59	64	70	68	61	57	40	38	56
Wyo. .... Cheyenne.....	39	61	65	64	60	58	65	68	67	69	68	60	59	64
P.R. .... San Juan.....	19	64	68	74	69	61	57	64	66	66	60	61	57	63

1 Data not available; figures are for a nearby station. 2 Record through 1964.

3 Record through 1966. 4 City office data.

## Geography and Environment

## No. 333. AVERAGE WIND SPEED—SELECTED CITIES

[In miles per hour. Airport data, for period of record through 1974, except as noted]

STATE AND STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala. Mobile	26	10.9	11.1	11.3	10.7	9.2	7.9	7.1	7.0	8.2	8.5	9.7	10.4	9.3
Alaska Juneau	31	8.4	8.7	8.8	8.9	8.4	7.9	7.6	7.6	8.0	9.7	8.7	9.4	8.5
Ariz. Phoenix	20	5.0	5.7	6.3	6.7	6.8	6.7	7.0	6.4	6.1	5.6	5.1	5.0	6.0
Ark. Little Rock	32	8.9	9.4	10.1	9.6	8.2	7.7	7.0	6.7	7.0	7.0	8.2	8.6	8.2
Calif. Los Angeles	26	6.7	7.3	8.0	8.4	8.2	7.9	7.6	7.5	7.1	6.8	6.6	6.6	7.4
Sacramento	26	8.0	7.9	9.0	9.0	9.4	10.0	9.2	8.7	7.9	8.6	6.5	7.3	8.3
San Francisco	47	7.1	8.5	10.3	12.1	13.2	13.9	13.6	12.8	11.0	9.2	7.2	6.8	10.5
Colo. Denver	26	9.2	9.3	9.9	10.4	9.4	9.0	8.5	8.2	8.2	8.2	8.7	9.0	9.0
Conn. Hartford	20	9.6	10.0	10.5	10.7	9.6	8.5	7.9	7.7	7.8	8.2	8.9	9.0	9.0
Del. Wilmington	26	9.7	10.6	11.2	10.4	9.0	8.8	7.7	7.4	7.8	8.1	9.1	9.3	9.1
D.C. Washington	26	10.0	8.5	11.0	10.5	9.3	8.7	8.2	8.0	8.2	8.5	9.2	9.4	9.3
Fla. Jacksonville	25	8.5	9.7	9.6	9.3	8.9	8.6	7.7	7.4	8.5	8.8	8.4	8.3	8.6
Miami	25	9.2	10.0	10.4	10.6	9.5	8.2	7.8	7.0	8.2	9.2	9.3	8.0	9.1
Ga. Atlanta	36	10.5	11.1	11.0	10.2	8.7	8.0	7.4	7.1	8.0	8.3	9.1	9.8	9.1
Hawaii Honolulu	25	10.0	10.8	11.4	12.1	12.2	12.9	13.6	13.5	11.7	10.8	11.2	11.2	11.8
Idaho Boise	35	8.6	9.3	10.4	10.3	9.5	9.2	8.5	8.3	8.3	8.6	8.7	8.6	9.0
Ill. Chicago	32	11.4	11.6	11.9	11.9	10.5	9.4	8.3	8.1	9.0	9.8	11.3	11.1	10.3
Peoria	31	11.2	11.6	12.3	12.3	10.5	9.2	8.0	7.8	8.8	9.5	11.2	10.9	10.3
Ind. Indianapolis	26	11.0	11.1	11.8	11.6	9.7	8.5	7.5	7.2	8.2	8.0	10.7	10.6	9.7
Iowa Des Moines	25	11.7	12.0	13.1	13.4	11.7	10.5	9.0	8.8	9.7	10.6	11.7	11.5	11.1
Kans. Wichita	21	12.5	13.1	14.5	14.7	13.2	12.6	11.3	11.3	11.8	12.3	12.3	12.2	12.6
Ky. Louisville	27	9.6	9.7	10.4	10.1	8.1	7.3	6.7	6.3	6.8	7.1	9.0	9.3	8.4
La. New Orleans	26	9.5	10.2	10.2	9.8	8.8	7.0	6.3	6.1	7.5	7.7	8.9	9.3	8.4
Maine Portland	34	9.2	9.6	10.0	10.0	9.2	8.2	7.7	7.5	7.8	8.5	8.8	9.0	8.8
Md. Baltimore	24	9.9	10.8	11.2	11.0	9.7	8.8	8.2	8.3	8.4	9.0	9.6	9.5	9.5
Mass. Boston	17	14.3	14.4	14.2	13.5	12.3	11.4	10.9	10.9	11.4	12.2	13.2	13.0	12.7
Mich. Detroit	41	11.6	11.5	11.5	11.1	9.9	9.1	8.3	8.1	8.0	9.5	11.3	11.3	10.2
Sault Ste. Marie	33	10.1	10.0	10.5	10.8	10.3	9.8	8.9	8.1	9.0	9.6	10.2	10.0	9.7
Minn. Duluth	25	12.0	11.9	12.0	13.2	12.4	10.8	9.9	9.8	10.7	11.5	12.2	11.5	11.5
Minneapolis-St. Paul	38	10.4	10.6	11.3	12.4	11.5	10.5	9.3	9.2	9.9	10.5	11.0	10.4	10.6
Miss. Jackson	11	9.1	9.1	9.6	9.2	7.4	6.8	6.2	5.8	6.7	6.6	7.9	8.7	7.7
Mo. Kansas City	22	10.4	11.7	11.9	11.6	9.9	9.8	8.3	8.7	8.8	9.5	10.8	10.9	10.1
St. Louis	25	10.2	10.8	11.7	11.4	9.5	8.6	7.7	7.4	8.0	8.5	9.9	10.2	9.5
Mont. Great Falls	33	15.8	14.9	13.5	13.2	11.5	11.4	10.3	10.5	11.7	13.7	15.0	16.0	13.1
Nebr. Omaha	30	11.1	11.5	12.7	13.2	11.5	10.6	9.1	9.2	9.7	10.1	11.2	10.9	10.9
Nev. Reno	32	6.0	6.1	7.5	8.0	7.6	7.2	6.5	6.2	5.8	5.3	5.2	5.1	6.3
N.H. Concord	33	7.3	8.0	8.2	7.8	7.1	6.3	5.6	5.3	5.4	5.9	6.5	7.0	6.7
N.J. Atlantic City	16	11.8	12.3	12.5	12.2	10.9	9.7	9.1	8.8	9.4	9.8	11.3	11.5	10.8
N.Mex. Albuquerque	35	7.9	8.0	10.0	10.9	10.5	9.9	9.1	8.1	8.5	8.3	7.7	7.6	8.9
N.Y. Albany	36	9.8	10.3	10.5	10.4	9.1	8.1	7.3	6.9	7.8	7.9	8.9	9.1	8.8
Buffalo	35	14.5	14.1	13.8	13.1	11.9	11.3	10.6	10.1	10.7	11.4	13.0	13.5	12.3
New York 1	55	10.8	10.9	11.1	10.5	8.9	8.1	7.7	7.7	8.2	9.0	10.0	10.4	9.4
N.C. Charlotte	25	8.0	8.5	8.9	9.0	7.7	6.9	6.7	6.6	6.9	7.1	7.4	7.5	7.6
Raleigh	25	8.7	9.3	9.6	9.4	8.0	7.1	6.8	6.5	7.0	7.3	8.0	8.2	8.0
N. Dak. Bismarck	35	10.1	10.1	11.3	12.6	12.3	11.0	9.6	9.9	10.4	10.3	10.4	9.6	10.6
Ohio Cincinnati	27	10.7	10.7	11.2	10.9	8.9	7.9	7.1	6.7	7.4	8.0	9.6	10.1	9.1
Cleveland	33	12.4	12.4	12.5	11.9	10.5	9.5	8.7	8.4	9.1	10.0	12.1	12.3	10.8
Oklahoma City	25	10.2	10.4	10.8	10.2	8.6	7.5	6.7	6.4	6.8	7.6	9.6	9.8	8.7
Oreg. Portland	26	13.3	13.7	15.1	15.1	13.4	12.8	11.4	10.9	11.6	12.3	12.7	12.8	12.9
Pa. Philadelphia	34	10.3	11.2	11.5	11.0	9.8	8.8	8.1	7.9	8.3	8.9	9.7	10.1	9.6
Pittsburgh	22	10.8	11.0	11.1	10.8	9.4	8.2	7.6	7.3	7.8	8.5	10.2	10.6	9.4
R.I. Providence	21	11.6	12.0	12.4	12.5	11.2	10.1	9.6	9.5	9.7	9.8	10.7	11.1	10.8
S.C. Columbia	26	7.1	7.7	8.4	8.5	7.1	6.8	6.6	6.0	6.2	6.2	6.5	6.7	7.0
S. Dak. Sioux Falls	26	11.0	11.1	12.6	13.6	12.2	10.8	9.7	9.8	10.3	10.8	11.5	10.7	11.2
Tenn. Memphis	28	10.5	10.6	11.8	10.9	9.0	8.1	7.6	7.1	7.7	7.8	9.4	10.1	9.2
Nashville	33	9.1	9.8	10.0	9.6	7.7	7.0	6.3	6.0	6.3	6.5	8.4	8.8	7.9
Tex. Dallas	21	11.5	12.3	13.4	13.2	11.6	11.1	9.8	9.3	9.8	9.9	10.0	11.3	11.2
El Paso	32	9.2	10.1	11.9	12.1	11.1	10.1	9.0	9.0	8.5	8.4	8.2	8.6	8.7
Houston	5	7.8	8.4	9.0	9.0	7.5	7.0	6.3	5.1	6.8	6.1	7.8	7.8	7.4
Utah Salt Lake City	45	7.7	8.2	9.2	9.5	9.3	9.3	9.4	9.5	9.0	8.5	7.8	7.5	8.7
Vt. Burlington	31	9.6	9.4	9.3	9.3	8.8	8.2	7.8	7.5	8.0	8.6	9.5	9.7	8.8
Va. Norfolk	26	11.7	12.1	12.5	11.8	10.3	9.5	8.8	8.7	9.7	10.4	10.7	11.1	10.6
Richmond	26	8.0	8.7	9.0	8.9	7.8	7.2	6.8	6.4	6.6	6.0	7.5	7.5	7.6
Wash. Seattle-Tacoma	26	10.4	9.9	10.2	9.8	9.2	9.0	8.5	8.1	8.3	8.9	9.3	10.1	9.3
Spokane	27	9.0	9.0	9.5	9.8	8.8	8.7	8.2	8.0	8.1	8.1	8.2	8.7	8.7
W. Va. Charleston	27	7.6	8.0	8.6	7.9	6.4	5.6	5.1	4.5	4.8	5.3	7.0	7.3	6.5
Wis. Milwaukee	34	12.9	12.8	13.3	13.2	12.1	10.5	9.7	9.6	10.7	11.5	12.8	12.6	11.8
Wyo. Cheyenne	17	15.7	15.4	14.8	15.0	13.1	11.7	10.8	10.9	11.5	12.6	13.8	14.9	13.3
P.R. San Juan	19	9.1	9.3	9.6	9.4	8.8	9.0	9.9	9.2	7.6	6.8	7.7	8.7	8.8

1 City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Local Climatological Data. Monthly with annual summary.

**No. 334. NORMAL MONTHLY AND ANNUAL HEATING DEGREE DAYS, 65° BASE—SELECTED CITIES**

[Airport data unless otherwise noted. Based on standard 30-year period, 1941 to 1970. For definition of "degree day," see text, p. 178]

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.... Mobile.....	451	337	221	40	—	—	—	—	—	39	211	385	1,684
Alaska... Juneau.....	1,287	1,636	1,026	763	564	354	288	332	474	719	975	1,160	6,007
Ariz.... Phoenix.....	428	292	185	60	—	—	—	—	—	17	17	388	1,552
Ark.... Little Rock.....	701	619	470	189	21	—	—	—	5	143	411	725	3,354
Calif.... Los Angeles.....	331	270	267	195	114	71	19	15	23	77	158	267	1,819
Sacramento.....	617	426	372	227	120	20	—	—	5	101	360	505	2,848
San Francisco.....	518	388	372	291	210	120	93	84	68	137	291	474	3,042
Colo.... Denver.....	1,088	902	868	525	253	80	—	—	120	408	768	1,004	6,016
Conn.... Hartford.....	1,246	1,070	911	519	226	24	—	—	12	106	384	711	1,141
Del.... Wilmington.....	1,023	879	725	381	128	—	—	—	32	234	579	933	4,940
D.C.... Washington.....	911	776	617	265	72	—	—	—	14	190	510	856	4,211
Fla.... Jacksonville.....	348	282	176	24	—	—	—	—	—	19	161	317	1,327
Miami.....	53	67	17	—	—	—	—	—	—	—	13	56	208
Ga.... Atlanta.....	701	560	443	144	27	—	—	—	8	137	408	687	3,095
Hawaii... Honolulu.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho... Boise.....	1,116	826	741	480	252	97	—	—	12	127	406	755	1,020
Ill.... Chicago.....	1,262	1,058	874	453	208	26	—	—	8	57	316	738	1,132
Ind.... Peoria.....	1,277	1,044	859	416	180	17	—	—	8	70	327	755	1,147
Iowa.... Des Moines.....	1,150	960	784	387	159	11	—	—	5	63	302	699	1,057
Kans.... Wichita.....	1,414	1,142	964	405	186	26	—	—	13	94	350	816	1,240
Ky.... Louisville.....	1,045	804	671	275	90	7	—	—	32	211	606	946	4,087
La.... New Orleans.....	983	878	681	286	105	5	—	—	35	241	600	911	4,845
Maine.... Portland.....	1,349	1,179	1,029	669	381	106	27	55	200	493	792	1,218	7,408
Md.... Baltimore.....	980	846	688	340	110	—	—	—	27	250	507	921	4,729
Mass.... Boston.....	1,110	969	834	492	218	27	—	—	8	76	301	594	9,621
Mich.... Detroit.....	1,225	1,087	918	507	238	26	—	—	11	80	342	717	1,007
Miss.... St. Paul Ste. Marie.....	1,575	1,394	1,271	804	496	200	98	125	291	583	996	1,392	9,193
Minn.... Duluth.....	1,761	1,481	1,287	792	484	194	67	104	318	611	1,098	1,569	9,756
Minneapolis-St. Paul.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Mo.... Kansas City.....	1,153	893	745	314	111	12	—	—	—	42	235	642	1,014
N.Dak.... Great Falls.....	1,380	1,075	887	682	272	103	10	—	—	35	224	600	942
Nebr.... Omaha.....	1,814	1,036	865	391	148	20	—	—	6	71	301	750	1,147
Nev.... Reno.....	1,028	781	766	546	328	145	17	50	168	456	574	902	6,022
N.H.... Concord.....	1,376	1,187	1,014	624	315	58	16	45	182	487	810	1,246	7,360
N.J.... Atlantic City.....	1,001	871	741	399	131	9	—	—	—	35	262	570	927
N. Mex.... Albuquerque.....	924	700	595	282	58	—	—	—	7	218	615	803	4,202
N.Y.... Albany.....	1,849	1,162	980	543	258	39	9	22	135	422	782	1,212	8,388
Buffalo.....	1,280	1,137	1,020	603	321	58	12	33	138	419	756	1,160	6,927
New York.....	1,017	882	741	387	137	—	—	—	29	209	528	915	4,848
N.C.... Charlotte.....	710	558	461	145	34	—	—	—	10	152	420	698	3,218
Raleigh.....	760	638	502	180	48	—	—	—	12	186	450	738	3,514
N.Dak.... Bismarck.....	1,761	1,442	1,237	600	339	122	18	—	35	252	584	1,088	1,581
Ohio.... Cincinnati.....	1,051	888	722	341	138	9	—	—	44	271	636	970	5,070
Cleveland.....	1,181	1,030	896	501	244	40	9	17	95	354	702	1,076	6,154
Columbus.....	1,135	972	800	418	176	13	—	—	8	76	342	699	1,063
Oklahoma.... Oklahoma City.....	874	664	532	180	36	—	—	—	12	148	474	775	3,695
Oreg.... Portland.....	834	622	598	432	264	128	48	56	119	347	591	753	4,792
Pa.... Philadelphia.....	1,014	871	716	367	122	—	—	—	38	249	564	924	4,865
Pittsburgh.....	1,144	1,000	934	444	208	26	7	16	98	372	711	1,070	5,930
R.I.... Providence.....	1,135	997	871	531	259	36	—	10	93	350	651	1,039	5,972
S.C.... Columbia.....	608	493	382	83	12	—	—	—	112	341	589	589	2,508
S. Dak.... Sioux Falls.....	1,575	1,277	1,085	567	259	65	10	18	165	465	957	1,395	7,838
Tenn.... Memphis.....	760	594	457	181	22	—	—	—	7	142	423	691	3,227
Nashville.....	828	672	524	176	45	—	—	—	10	180	498	763	3,606
Tex.... Dallas-Fort Worth.....	626	456	335	88	—	—	—	—	—	60	287	530	2,382
El Paso.....	663	465	328	89	—	—	—	—	—	92	402	639	2,678
Houston.....	416	294	189	23	—	—	—	—	—	24	155	333	1,494
Utah.... Salt Lake City.....	1,147	885	787	474	237	88	—	5	105	402	777	1,076	5,988
Vt.... Burlington.....	1,494	1,296	1,113	660	331	63	20	49	191	502	840	1,314	7,876
Va.... Norfolk.....	760	661	532	226	53	—	—	—	9	141	402	704	3,488
Richmond.....	853	717	589	226	64	—	—	—	21	203	480	806	3,930
Wash.... Seattle-Tacoma.....	831	636	648	489	313	167	80	82	170	397	612	760	5,185
Spokane.....	1,228	918	853	567	327	144	21	47	196	533	885	1,116	6,835
W. Va.... Charleston.....	946	798	642	287	113	10	—	—	46	267	588	893	4,592
Wis.... Milwaukee.....	1,414	1,190	1,042	609	348	90	15	36	140	440	855	1,265	7,444
Wyo.... Cheyenne.....	1,190	1,008	1,035	669	394	156	22	31	225	530	885	1,110	7,255
P.R.... San Juan.....	—	—	—	—	—	—	—	—	—	—	—	—	—

— Represents zero.

1 City office data.

 Source: U.S. National Oceanic and Atmospheric Administration, *Local Climatological Data*, Monthly with annual summary.

## Geography and Environment

## No. 335. AVERAGE RELATIVE HUMIDITY,

[Airport data, except as noted. Eastern standard time. For period of record through 1974, except as noted. Hours  
Relative humidity observations were

STATE AND STATION	Length of rec- ord (yr.)	JAN.		FEB.		MAR.		APR.		MAY		JUNE	
		7:00 a.m.	1:00 p.m.										
Ala. - Mobile	12	82	65	80	55	83	56	88	54	86	53	87	54
Alaska - Juneau	31	79	76	82	76	79	69	74	64	74	63	75	64
Ariz. - Phoenix	14	67	44	58	37	58	33	43	22	36	18	36	18
Ark. - Little Rock	14	82	62	79	57	78	56	82	56	87	55	87	54
Calif. - Los Angeles	15	68	54	72	57	78	61	79	59	81	65	85	70
Calif. - Sacramento	14	90	86	88	80	83	69	81	58	82	53	79	49
Calif. - San Francisco	15	86	79	84	75	81	70	82	65	85	65	86	65
Colo. - Denver	14	63	45	67	44	69	42	68	38	70	38	72	39
Conn. - Hartford	15	72	57	73	57	73	53	70	45	73	47	78	52
Del. - Wilmington	27	75	60	75	58	74	53	73	51	76	53	79	54
D.C. - Washington	14	69	54	68	52	68	49	69	48	72	50	76	53
Fla. - Jacksonville	38	87	57	85	52	85	49	85	47	84	49	86	56
Fla. - Miami	10	84	61	82	52	82	56	80	55	82	60	87	67
Ga. - Atlanta	14	80	61	76	55	79	52	80	52	83	55	86	59
Hawaii - Honolulu	5	80	64	76	60	75	61	70	59	67	55	66	54
Idaho - Boise	35	80	73	80	68	74	55	70	47	69	45	88	42
Ill. - Chicago	11	72	65	71	62	74	60	73	56	72	53	74	54
Ind. - Peoria	15	73	68	70	66	81	64	78	56	81	57	81	56
Ind. - Indianapolis	15	70	68	78	65	79	62	77	55	81	57	82	57
Iowa - Des Moines	13	78	71	81	69	80	64	79	57	80	57	82	57
Kans. - Wichita	21	80	64	79	60	76	53	77	51	82	54	83	53
Ky. - Louisville	14	76	64	76	62	76	59	75	53	83	56	84	58
La. - New Orleans	26	86	67	84	62	84	60	88	60	89	60	89	62
Maine - Portland	34	77	62	77	60	75	59	74	55	75	58	78	60
Md. - Baltimore	21	72	57	72	56	71	51	73	50	77	52	80	53
Mass. - Boston	10	67	57	68	58	68	53	68	54	71	58	74	60
Mich. - Detroit	241	78	69	79	65	78	60	73	53	71	51	74	53
Minn. - Sault Ste. Marie	33	82	76	82	73	83	68	80	61	79	56	85	62
Minn. - Duluth	13	75	69	74	63	77	62	77	57	78	55	80	55
Minn. - Minneapolis-St. Paul	15	73	67	74	65	77	64	78	55	77	54	80	55
Miss. - Jackson	11	87	65	86	58	87	57	91	57	91	55	90	55
Mo. - Kansas City	2	73	65	73	60	79	64	73	53	77	55	77	50
Mo. - St. Louis	14	81	64	79	69	80	57	77	54	82	56	84	57
Mont. - Great Falls	13	65	62	65	58	63	53	66	48	68	46	69	44
Nebr. - Omaha	11	76	65	76	61	76	55	75	51	78	54	81	55
Nev. - Reno	11	73	66	70	56	66	45	64	37	65	33	69	34
N.H. - Concord	9	72	58	74	58	78	57	77	47	79	49	87	57
N.J. - Atlantic City	10	74	56	76	56	77	55	76	51	78	55	84	59
N. Mex. - Albuquerque	14	68	48	62	43	54	32	45	25	43	22	44	23
N.Y. - Albany	9	79	63	76	58	74	54	70	47	74	52	78	56
N.Y. - Buffalo	14	77	72	79	70	78	67	76	58	75	56	77	57
N.C. - New York <sup>1</sup>	55	68	60	68	58	67	55	68	51	71	53	74	55
N.C. - Charlotte	14	79	57	76	52	80	50	80	48	84	53	86	57
N. Dak. - Bismarck	15	72	67	70	68	78	62	78	52	79	50	82	43
Ohio - Cincinnati	12	78	66	77	62	77	60	77	54	78	54	80	54
Ohio - Cleveland	14	75	68	77	68	77	65	74	57	76	58	79	58
Ohio - Columbus	15	76	67	78	64	75	59	76	53	79	55	82	54
Okla. - Oklahoma City	9	81	64	78	56	76	53	77	52	81	55	84	55
Oreg. - Portland	34	86	82	86	79	86	72	86	68	85	66	84	65
Pa. - Philadelphia	15	74	59	70	57	71	54	70	49	75	53	78	55
P.R. - Providence	11	71	56	70	55	70	54	69	48	72	51	76	57
S.C. - Columbia	8	84	57	81	48	83	48	84	45	88	50	89	54
S.Dak. - Sioux Falls	11	75	67	78	66	81	61	81	55	80	53	82	57
Tenn. - Memphis	35	80	64	79	60	77	56	79	54	82	55	83	56
Tenn. - Nashville	9	80	63	79	59	79	53	81	53	80	55	87	55
Tex. - Dallas-Forth Worth	11	82	61	79	57	81	57	85	59	88	62	86	57
Tex. - El Paso	14	80	42	50	34	44	29	34	21	37	21	42	24
Tenn. - Houston	5	89	68	86	56	89	60	90	59	93	60	92	58
Utah - Salt Lake City	15	76	69	76	63	69	50	67	44	63	35	60	31
Vt. - Burlington	9	68	62	70	60	71	57	74	53	75	52	79	58
Va. - Norfolk	26	75	60	74	57	73	54	74	51	77	56	80	58
Wash. - Richmond	40	81	57	79	52	78	48	75	45	79	50	82	54
Wash. - Seattle-Tacoma	15	80	78	80	76	82	75	83	72	88	68	83	67
W. Va. - Spokane	15	82	80	83	78	78	67	75	56	74	50	86	54
W. Va. - Charleston	27	77	62	76	59	74	53	75	49	82	50	86	54
Wis. - Milwaukee	14	75	68	75	67	80	59	73	62	78	61	81	61
Wyo. - Cheyenne	15	53	44	59	44	62	45	65	41	67	39	69	40
P.R. - San Juan	19	82	65	80	62	78	60	76	62	78	65	79	66

<sup>1</sup> For 1963-1964 and 1972-1974.<sup>2</sup> Length of record 37 years for 1:00 p.m.<sup>3</sup> City office data.

# Relative Humidity

203

## PERCENT—SELECTED CITIES

selected to give, for most of country, approximation of average highest and average lowest humidity values made on the half-hour prior to 1957]

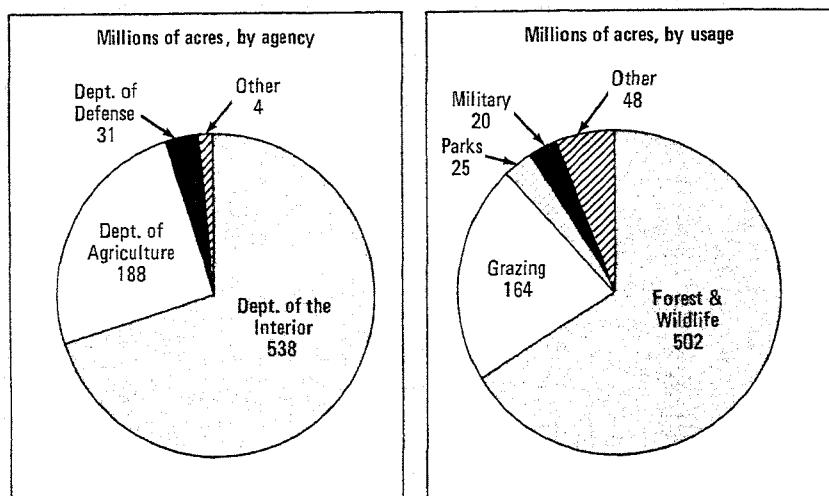
JULY		AUG.		SEPT.		OCT.		NOV.		DEC.		ANNUAL		STATE AND STATION
7:00 a.m.	1:00 p.m.													
89	61	90	62	88	60	84	52	85	56	84	64	85	57	Ala.... Mobile.
81	70	84	74	87	77	87	81	85	82	83	81	81	73	Alaska... Juneau.
46	28	54	34	53	31	54	30	62	39	60	48	53	32	Ariz.... Phoenix.
88	58	88	58	89	60	85	52	83	57	81	63	84	57	Ark.... Little Rock.
86	68	88	68	83	65	78	58	75	59	70	55	78	62	Calif.... Los Angeles.
76	48	76	49	76	50	79	58	87	78	90	86	89	64	Sacramento.
88	66	88	68	84	65	81	68	84	75	86	79	85	70	San Francisco.
72	36	70	37	72	40	66	36	70	44	66	45	69	40	Colo.... Denver.
80	51	84	52	87	55	84	51	80	58	79	63	78	53	Conn.... Hartford.
80	54	84	56	85	55	84	53	80	56	77	60	79	55	Del.... Wilmington.
75	52	79	53	79	54	78	50	73	52	71	57	73	52	D.C.... Washington.
87	58	90	60	91	62	90	58	89	55	88	58	87	55	Fla.... Jacksonville.
86	65	86	66	89	67	87	65	84	60	83	59	84	61	Miami.
90	63	91	62	89	60	80	52	82	54	81	60	83	57	Ga.... Atlanta.
65	51	67	55	66	52	68	55	74	59	77	61	71	57	Hawaii... Honolulu. <sup>1</sup>
53	33	51	33	58	39	68	49	78	66	82	74	69	52	Idaho... Boise.
77	55	80	55	81	56	78	55	79	65	80	72	76	59	Illi.... Chicago.
86	59	87	59	88	60	85	58	83	66	83	73	83	62	Peoria.
86	59	89	60	80	59	86	57	85	67	83	73	83	62	Ind.... Indianapolis.
82	58	85	58	86	61	79	55	80	65	81	72	81	62	Iowa... Des Moines.
79	49	79	49	82	56	81	54	79	50	80	62	80	55	Kans.... Wichita.
80	58	87	57	88	59	85	54	79	61	77	65	81	59	Ky.... Louisville.
90	66	91	66	89	66	88	59	86	60	86	67	88	63	La.... New Orleans.
80	59	84	59	86	61	85	50	84	64	80	63	80	60	Maine... Portland.
81	53	84	55	85	55	82	53	77	54	75	59	77	54	Md.... Baltimore.
73	56	75	66	70	61	76	56	75	62	72	62	72	58	Mass.... Boston.
75	51	80	53	83	54	81	55	79	64	79	69	77	58	Mich.... Detroit.
88	62	91	63	92	67	89	67	87	78	85	78	85	67	Minn.... Sault Ste. Marie.
83	58	87	63	87	64	82	63	82	72	80	75	80	63	Duluth.
92	55	85	56	87	60	83	60	82	67	79	72	80	61	Minn... Minneapolis-St. Paul.
76	50	93	59	93	60	98	54	90	57	88	66	90	58	Miss.... Jackson.
86	57	89	57	91	60	84	55	84	64	81	71	78	60	Mo.... Kansas City.
63	36	60	36	65	45	62	45	65	56	68	65	69	59	St. Louis.
82	57	87	59	88	62	82	56	81	63	80	68	80	59	Mont.... Great Falls.
67	29	69	31	70	33	72	41	73	58	74	66	69	44	Nebr.... Omaha.
88	53	90	54	92	59	88	53	85	64	81	67	83	56	Nev.... Reno.
85	58	87	57	89	58	87	55	82	57	77	59	81	56	N.H.... Concord.
61	35	65	39	59	40	59	38	64	43	69	51	58	37	N.J.... Atlantic City.
79	54	83	54	87	57	84	55	82	64	82	70	89	57	N.Mex.... Albuquerque.
78	55	83	59	88	60	82	61	83	71	82	75	80	63	N.Y.... Albany.
75	55	78	57	79	57	76	55	73	59	70	61	72	56	Buffalo.
89	59	90	60	90	66	88	52	83	51	80	58	84	54	New York. <sup>3</sup>
91	61	93	63	93	60	90	54	83	49	80	55	84	54	N.C.... Charlotte.
83	47	87	48	82	49	78	40	80	68	76	78	83	66	N.Dak.... Raleigh.
84	58	87	56	88	58	83	54	70	63	80	70	81	59	N.Dak.... Bismarck.
82	58	85	60	84	60	80	59	78	67	76	71	79	62	Ohio.... Cincinnati.
84	55	87	57	88	58	82	55	82	65	79	70	80	59	Cleveland.
80	49	82	50	86	58	81	54	79	55	80	60	80	55	Columbus.
83	61	84	64	87	67	90	59	88	82	87	84	86	72	Oklahoma City.
79	54	81	54	83	58	82	52	77	55	74	61	76	55	Oreg.... Portland.
83	53	86	55	86	57	81	53	80	63	78	69	79	58	Pa.... Philadelphia.
78	57	78	54	82	56	79	52	77	59	76	61	75	55	Pittsburgh.
91	57	94	60	95	57	92	52	88	49	86	56	88	53	R.I.... Providence.
82	53	84	51	87	58	82	50	84	65	80	70	81	59	S.C.... Columbia.
85	57	86	56	86	56	84	51	80	55	80	62	82	57	S.Dak.... Sioux Falls.
91	59	92	60	90	60	87	54	81	50	81	66	84	58	Tenn.... Memphis.
81	50	83	53	89	61	86	56	83	56	81	60	84	57	Nashville.
60	39	62	41	65	45	59	35	59	38	62	44	53	34	Tex.... Dallas.
93	58	95	62	95	68	95	61	89	58	89	63	91	61	El Paso.
51	26	54	29	61	35	68	43	73	58	78	71	67	46	Houston.
80	55	84	58	88	63	82	62	82	71	78	72	78	60	Burlington.
82	60	85	63	84	62	83	61	79	55	76	59	79	58	Va.... Norfolk.
85	56	88	57	89	56	89	52	84	50	81	55	83	53	Va.... Richmond.
83	66	84	70	86	74	87	80	84	81	82	81	83	74	Wash.... Seattle-Tacoma.
59	37	59	41	67	49	78	65	87	82	86	84	75	61	Spokane.
90	61	92	58	91	55	88	58	80	56	78	62	83	58	Charleston.
82	61	87	61	87	63	82	63	80	67	81	78	81	65	Wis.... Milwaukee.
68	34	65	33	65	37	59	37	58	42	56	44	62	40	Wyo.... Cheyenne.
79	66	80	66	80	67	81	66	82	66	81	65	80	65	P.R.... San Juan.

Source: U.S. National Oceanic and Atmospheric Administration, Local Climatological Data. Monthly with annual summary.

## Public Lands, Parks, Recreation, and Travel

Fig. 7-1. LAND OWNED BY THE FEDERAL GOVERNMENT: 1975

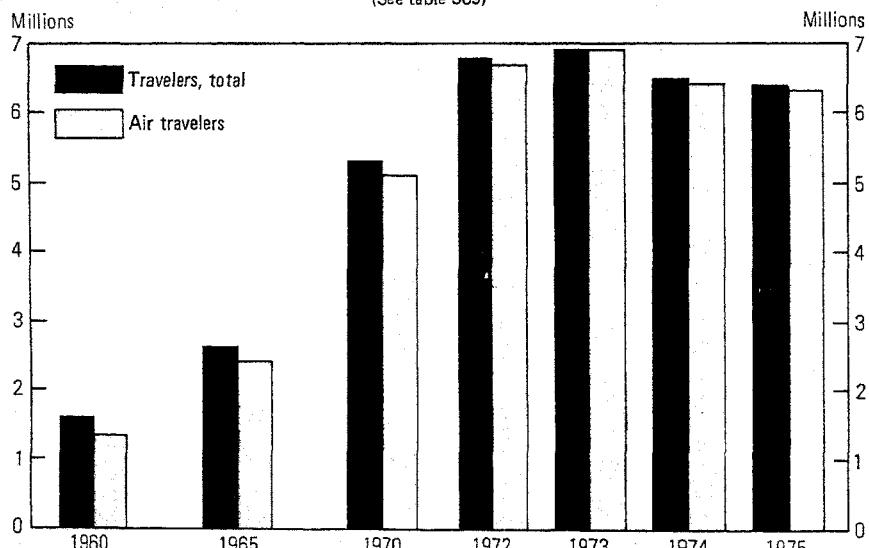
(See tables 340 and 342)



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. General Services Administration.

Fig. 7-2. FOREIGN TRAVELERS: 1960 TO 1975

(See table 369)



Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Bureau of Economic Analysis.

## Section 7

### Public Lands, Parks, Recreation, and Travel

Statistics in this section relate to the Federal public domain and other federally owned and leased real property, Indian lands, national parks and forests, State and municipal parks, domestic and foreign travel, and other forms of recreation.

Data on public lands are published primarily by the Department of the Interior, Bureau of Land Management, in *Public Land Statistics*. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*. The Economic Research Service of the Department of Agriculture also issues statistics on land use and land ownership.

The Department of the Interior issues various reports relating to recreation, as follows: The National Park Service, in its semiannual *Public Use of the National Park System*, presents information on national parks; in its semiannual *Areas Administered by the National Park Service*, shows breakdowns of acreage; and in its *Index to the National Park System and Affiliated Areas* provides a brief description of each area and also covers nonfederally owned areas administered cooperatively with private and other governmental bodies. The Bureau of Outdoor Recreation administers a land and water conservation fund which provides funds to States, counties, and cities for outdoor recreation purposes and to designated Federal agencies for acquisition of new recreational lands and waters. It also issues statistics on the fund and on other aspects of outdoor recreation. The Fish and Wildlife Service compiles and releases data on sport fishing and hunting and on number and acreage of national wildlife refuges and fish hatcheries. Data for State and municipal parks and playgrounds, as well as for other outdoor recreational activities, are compiled by the National Recreation and Park Association, Arlington, Va., which issues its *Recreation and Park Yearbook* at 5-year intervals. The Department of Agriculture's Forest Service, in its *Annual Report of the Chief*, issues data on recreational uses of the national forests.

Figures on expenditures for recreation and on domestic and foreign travel, compiled by the Department of Commerce's Bureau of Economic Analysis, appear periodically in the monthly *Survey of Current Business*. Domestic travel data by volume and type were collected by the Bureau of the Census in its 1972 Census of Transportation; comparable data appear in its 1963 *Passenger Transportation Survey*, vol. I, and its 1967 *National Travel Survey*, vol. I. Foreign travel data based on analysis of passports are published in the annual *Summary of Passport Statistics*, issued by the Department of State's Passport Office.

Few statistical series are available on activities of a cultural nature—art, music, theater, etc.—and those are generally based on infrequent and incomplete studies by private agencies. The available series in this field are presented in tables 365 and 366.

**Public-domain and acquired lands.**—The U.S. Government acquired sovereignty over its present land area (2,271 million acres) through a series of international agreements and treaties. At the time of acquisition of sovereignty over the areas involved, title to about 463 million acres rested in individual States and their political subdivisions or in private owners, and was not relinquished to the U.S. Government. Title to the remaining land area passed to the U.S. Government. This area, except for lands in the District of Columbia, is known as the original public domain.

Public-domain lands or public lands are federally owned lands to which the public land laws apply. In general, they include that portion of the original public domain not disposed of under the public land laws, and lands declared by the Congress to be public lands. In addition to the original public domain, the U.S. Government has from time to time acquired, by purchase, condemnation, and gift, tracts of land needed for public purposes. Such lands are referred to as acquired lands.

**Indian lands.**—Indian lands are the private landholdings of individual Indians or Indian tribes that are subject to special restrictive provisions of Federal law administered by the Bureau of Indian Affairs. They have been set aside for Indian use by treaties, congressional acts, and executive orders. Although most of these lands are in reservations for specific tribes, there are groups of scattered off-reservation allotments in individual ownership and other small tracts of land occupied by Indian groups. Recreational facilities are increasingly being located and operated by Indians on Indian reservations (see table 349).

**Entries, selections, patents, and certifications.**—The data on entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed. Some types of applications, however, are not reported until the final certificate is issued. Applications become final entries (perfected entries) upon issuance of a final certificate to the applicant after he has complied fully with the requirements of the laws relating to his application. A final certificate passes equitable title to the land to the applicant. Patents are instruments which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See preface.

## No. 336. AREA AND ACQUISITION OF THE PUBLIC DOMAIN: 1781 TO 1975

[Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 301 which include later adjustments and reflect subsequent remeasurement. Excludes area outside the United States, amounting to 637,424 acres (257,962 hectares) in 1975. See *Weights and Measures*, pp. x-xi. See also *Historical Statistics, Colonial Times to 1970*, series J 3-7.]

YEAR	LAND AREA <sup>1</sup>		YEAR AND ACQUISITION	ACRES (mil.)			HECTARES (mil.)			
	Acres (mil.)	Hectares (mil.)		Total	Land	Inland water	Total	Land	Inland water	
1802	200	81	Aggregate	1,838	1,808	30	744	732	12	
1850	1,200	486								
1850	900	365	1781-1802 (State Cessions)	237	233	3	96	94	1	
1912	600	243	1803, Louisiana Purchase <sup>2</sup>	530	523	6	215	212	2	
1946	413	167								
1950	412	167	1819, Cession from Spain	46	43	3	10	17	31	
1955	408	165	Red River Basin <sup>3</sup>	30	29	1	12	12	(Z)	
1959	769	311	1846, Oregon Compromise	183	181	3	74	73	1	
1960	772	313	1848, Mexican Cession <sup>2</sup>	339	334	4	137	135	2	
1965	766	310								
1970	761	308	1850, Purchase from Texas	79	79	(Z)	32	32	(Z)	
1973	761	308	1853, Gadsden Purchase	19	19	(Z)	8	8	(Z)	
1974	761	308	1867, Alaska Purchase	875	365	10	152	148	4	
1975	760	308								

Z. Less than 500,000. <sup>1</sup> Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1980, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Through the World*, annual.

<sup>2</sup> Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession.

<sup>3</sup> Includes 33,920 acres (13,738 hectares) subsequently part of Texas, which is not a public-domain State.

<sup>4</sup> Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

## No. 337. OWNERSHIP OF LAND, BY CLASS: 1959 TO 1969

[See *Weights and Measures*, pp. x-xi. See also *Historical Statistics, Colonial Times to 1970*, series J 66, J 71, and J 76]

CLASSES	1959			1964			1969		
	Land		Percent	Land		Percent	Land		Percent
	Acres (mil- lions)	Hectares (mil- lions)		Acres (mil- lions)	Hectares (mil- lions)		Acres (mil- lions)	Hectares (mil- lions)	
Total <sup>1</sup>	2,271	919.8	100.0	2,266	917.7	100.0	2,264	916.9	100.0
Private land <sup>2</sup>	1,322	539.5	58.7	1,328	537.8	58.6	1,317	533.4	58.2
Indian land <sup>3</sup>	53	21.5	2.3	50	20.3	2.2	50	20.3	2.2
Public land	886	358.8	39.0	888	350.6	39.2	897	363.3	39.6
Federal land <sup>4</sup>	765	309.8	33.7	766	310.2	33.8	763	309.0	33.7
State land <sup>5</sup>	103	41.7	4.5	103	41.7	4.6	114	46.2	5.0
County and municipal land	18	7.3	0.8	19	7.7	0.8	20	8.1	0.9

<sup>1</sup> Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs.

<sup>2</sup> Land owned by individuals, partnerships, and corporations.

<sup>3</sup> Trust land held by tribes and individual owners exclusive of federally owned land used by Indians.

<sup>4</sup> Gross acreage of Federal holdings including highway and road rights-of-way in Federal areas.

<sup>5</sup> Includes the major part of highway and road rights-of-way through predominantly private land areas.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States*, December 1973.

## No. 338. UNITED STATES SHORELINE—OWNERSHIP AND USE: 1971

REGION <sup>1</sup>	Total shore- line <sup>2</sup>	OWNERSHIP			SHORE USE			
		Federal	State and local	Private	Recreation		Non- recreational development	Unde- veloped
					Public	Private		
Total.....miles..	84,240	45,290	10,080	26,310	3,390	5,820	6,230	68,800
North Atlantic.....	8,620	580	810	7,200	1,020	2,600	2,430	2,570
South Atlantic-Gulf.....	14,620	1,870	1,900	8,250	690	1,500	2,440	9,090
Lower Mississippi.....	1,940	240	330	1,370	20	30	50	1,840
Texas Gulf.....	2,500	390	50	2,060	400	160	110	1,830
Great Lakes.....	3,680	130	520	3,030	370	1,220	250	1,840
California.....	1,810	380	350	1,080	440	190	230	950
North Pacific.....	2,840	240	270	2,310	350	120	190	2,180
Alaska.....	47,300	41,350	5,500	450	10	-	330	46,960
Hawaii.....	930	110	260	500	90	-	200	640
Total.....kilometers..	135,567	72,885	16,221	42,340	5,455	9,366	10,025	110,719
North Atlantic.....	13,872	933	1,351	11,586	1,611	4,184	3,910	4,135
South Atlantic-Gulf.....	23,527	3,009	3,154	13,276	1,110	2,413	3,926	16,076
Lower Mississippi.....	3,122	386	531	2,204	32	48	80	2,061
Texas Gulf.....	4,023	627	80	3,315	643	257	177	2,945
Great Lakes.....	5,022	209	836	4,876	535	1,063	402	2,981
California.....	2,012	611	563	1,738	708	305	370	1,528
North Pacific.....	4,570	386	434	3,717	563	193	305	3,508
Alaska.....	76,119	66,544	8,851	724	16	-	531	75,572
Hawaii.....	1,496	177	418	901	144	-	321	1,029

<sup>1</sup> Represents zero.<sup>1</sup> For definition of regions, see source.<sup>2</sup> Includes "uncertain" ownership, not shown separately.Source: U.S. Corps of Engineers, *Report on the National Shoreline Study*, 1971.

## No. 339. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1955 TO 1975

[As of June 30. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately]

ITEM AND AGENCY	1955	1960	1965	1970	1972	1973	1974	1975
<b>Federally owned:</b>								
Land, total.....mil. acres..	754	772	766	762	761	762	761	760
Dept. of Agriculture.....mil. acres..	189	186	187	187	188	188	188	188
Dept. of Defense.....mil. acres..	31	30	30	31	31	31	31	31
Dept. of the Interior.....mil. acres..	530	553	546	540	539	539	539	539
Buildings, number <sup>1</sup> .....1,000..	397	405	427	411	410	410	408	399
Dept. of Defense <sup>1</sup> .....1,000..	289	320	385	319	312	312	310	312
Dept. of the Interior.....1,000..	31	30	34	34	34	35	35	30
Buildings, floor area <sup>1</sup> .....mil. sq. ft..	2,231	2,415	2,458	2,507	2,520	2,523	2,513	2,486
Dept. of Defense <sup>1</sup> .....mil. sq. ft..	1,646	1,929	1,874	1,857	1,828	1,830	1,818	1,802
General Services Admin.....mil. sq. ft..	123	121	172	205	196	198	191	194
Dept. of the Interior.....mil. sq. ft..	50	41	47	61	55	55	57	57
Veterans Administration.....mil. sq. ft..	101	115	114	110	111	109	111	110
Cost of land, buildings, etc.....bil. dol..	38	53	66	79	83	85	87	91
Dept. of Defense.....bil. dol..	24	31	39	44	52	53	54	56
Dept. of the Interior.....bil. dol..	4	5	6	8	9	9	9	10
<b>Federally leased:</b>								
Land.....mil. acres..	(NA)	1.8	1.8	1.6	1.7	1.5	1.7	1.2
Dept. of Defense.....mil. acres..	(NA)	1.7	1.7	1.4	1.5	1.3	1.6	1.0
Buildings, floor area <sup>1</sup> .....mil. sq. ft..	(NA)	97	132	182	191	209	215	210
Dept. of Defense <sup>1</sup> .....mil. sq. ft..	(NA)	11	7	7	9	9	8	13
Rental property, cost.....mil. dol..	(NA)	174	282	451	528	581	633	664
Dept. of Defense.....mil. dol..	(NA)	35	35	63	54	53	58	65

NA. Not available. <sup>1</sup> Excludes data for Dept. of Defense military functions outside United States.Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

## Federally Owned Land and Buildings

209

No. 340. TOTAL LAND, AND FEDERALLY OWNED LAND AND BUILDINGS, 1955 TO 1975,  
AND BY STATES, 1975

[Land in thousands of acres, except as indicated; cost in millions of dollars. As of June 30]

YEAR AND STATE	LAND						FEDERALLY OWNED BUILDINGS		
	Total	Not owned by Federal Govern- ment	Owned by Federal Government			Number	Cost		
			Total <sup>1</sup>	Acres	Percent				
1955 <sup>3</sup> -----	1,903,825	1,495,920	407,896	21.4	357,210	50,688	2,369	384,916	14,475
1960-----	2,273,407	1,501,894	771,512	33.9	720,004	51,508	2,056	405,443	10,916
1965-----	2,271,343	1,505,546	705,797	33.7	712,525	53,272	4,128	426,863	24,368
1969-----	2,271,343	1,508,829	762,514	33.6	707,721	54,793	5,201	412,824	27,706
1970-----	2,271,343	1,510,042	761,301	33.5	708,436	54,865	5,476	410,587	28,705
1971-----	2,271,343	1,511,140	760,204	33.5	704,794	55,410	5,778	408,528	29,338
1972-----	2,271,343	1,510,667	760,676	33.5	704,750	55,926	6,010	403,323	30,053
1973-----	2,271,343	1,510,344	760,999	33.5	704,751	56,248	6,198	403,409	30,087
1974-----	2,271,343	1,510,811	760,532	33.5	703,813	56,719	6,464	401,335	32,750
1975, total	2,271,343	1,510,929	760,414	33.5	702,866	57,548	6,872	398,737	34,345
Ala.-----	32,678	31,555	1,123	3.4	29	1,004	80	7,300	617
Alaska-----	365,482	13,074	352,408	96.4	352,389	19	6	7,701	1,232
Ariz.-----	72,988	41,547	31,141	42.8	30,831	310	40	11,825	574
Ark.-----	33,599	30,326	3,278	9.7	1,072	2,201	240	4,458	245
Calif.-----	100,207	54,029	45,278	45.1	42,779	2,499	612	56,741	4,215
Colo.-----	66,486	42,503	23,983	36.1	22,900	1,083	121	6,894	792
Conn.-----	3,185	3,126	9	0.3	-	9	42	2,136	212
Del.-----	1,266	1,225	41	3.2	-	41	10	825	110
D.C.-----	39	29	10	25.6	-	10	143	1,822	940
Fla.-----	34,721	31,210	3,511	10.1	371	3,140	150	14,351	1,411
Ga.-----	37,295	35,066	2,229	6.0	-	2,220	145	12,861	857
Hawaii-----	4,106	3,700	406	0.9	-	406	44	13,066	682
Idaho-----	52,933	19,192	33,742	63.7	32,929	813	82	4,243	272
Ill.-----	35,795	35,233	562	1.5	(z)	562	120	7,009	1,054
Ind.-----	28,158	22,672	486	2.1	(z)	486	137	5,165	301
Iowa-----	35,860	35,636	224	0.6	(z)	224	55	1,356	126
Kans.-----	52,511	51,798	712	1.3	26	686	248	7,048	441
Ky.-----	25,512	24,163	1,349	5.3	-	1,349	333	6,293	598
La.-----	28,868	27,810	1,058	3.7	25	1,033	65	5,133	398
Maine-----	19,848	19,717	131	0.7	-	131	10	3,220	266
Md.-----	6,310	6,117	202	3.2	-	202	84	11,718	1,498
Mass.-----	5,035	4,950	85	1.7	-	85	102	5,855	660
Mich.-----	36,492	33,079	3,413	9.3	207	3,116	68	6,341	464
Minn.-----	51,206	47,794	3,412	6.6	1,258	2,154	50	1,981	202
Miss.-----	30,223	28,574	1,649	5.4	3	1,646	81	5,456	371
Mo.-----	44,248	42,098	2,150	4.8	3	2,147	254	6,391	676
Mont.-----	93,271	65,605	27,686	20.7	25,190	2,476	53	6,143	225
Nebr.-----	49,032	48,338	694	1.4	245	449	78	2,418	203
Nev.-----	70,264	60,844	60,820	86.6	60,616	204	26	4,903	255
N.H.-----	5,769	5,058	711	12.3	-	711	25	843	83
N.J.-----	4,813	4,682	131	2.7	-	131	87	7,534	691
N. Mex.-----	77,766	51,664	26,102	33.6	24,284	1,838	34	11,558	753
N.Y.-----	30,681	30,434	247	0.8	-	247	158	9,400	1,390
N.C.-----	31,403	29,434	1,069	6.3	-	1,069	96	14,144	660
N. Dak.-----	44,452	42,132	2,321	5.2	210	2,111	120	4,432	396
Ohio-----	26,222	25,892	330	1.3	(z)	330	199	5,157	1,230
Oklahoma-----	44,088	42,548	1,540	3.5	150	1,390	430	7,398	477
Oreg.-----	61,599	29,229	32,370	52.6	30,996	1,374	340	4,554	147
Pa.-----	28,805	28,135	669	2.3	-	669	293	6,282	779
R.I.-----	677	670	7	1.1	-	7	8	2,855	220
S.C.-----	19,374	18,232	1,142	5.9	-	1,142	82	9,541	878
S. Dak.-----	48,882	45,586	3,296	6.7	1,600	1,606	147	2,992	100
Tenn.-----	26,728	24,939	1,788	6.7	-	1,788	347	5,618	1,024
Tex.-----	168,218	165,022	3,196	1.9	-	3,196	353	26,838	2,033
Utah-----	52,697	17,841	34,856	66.1	34,312	544	30	4,643	308
Vt.-----	5,937	5,659	278	4.7	-	278	15	324	37
Va.-----	25,406	23,112	2,385	9.4	-	2,385	160	18,940	1,746
Wash.-----	42,604	30,105	12,588	20.5	11,138	1,450	213	17,060	906
W. Va.-----	15,411	14,341	1,070	6.9	1,070	1,070	170	1,155	118
Wis.-----	35,011	33,190	1,821	5.2	10	1,811	20	4,082	202
Wyo.-----	62,343	32,513	29,830	47.8	29,223	607	35	2,747	84

<sup>1</sup> Represents zero. <sup>2</sup> Less than 500 acres.<sup>1</sup> Excludes trust properties.<sup>2</sup> Excludes value of public-domain lands for which there are no costs.<sup>3</sup> Excludes Alaska and Hawaii.Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

## No. 341. FEDERAL LAND, BY PREDOMINANT USAGE: 1960 TO 1975

[As of June 30. Covers land in United States only]

TYPE OF LAND	1960		1965		1970		1974, land (mil. acres)	1975, land (mil. acres)
	Land (mil. acres)	Cost of land (mil. dol.)	Land (mil. acres)	Cost of land (mil. dol.)	Land (mil. acres)	Cost of land (mil. dol.)		
Total.....	771.5	2,956	765.8	4,128	761.3	5,475	760.5	760.4
Forest and wildlife.....	513.5	130	508.4	237	503.2	350	503.2	502.3
Grazing.....	166.7	22	165.2	18	163.5	26	163.5	164.0
Military (except airfields).....	18.3	348	15.7	298	17.7	331	18.1	18.1
Parks and historic sites.....	22.4	142	22.8	180	24.6	373	25.1	25.3
Reclamation and irrigation.....	8.0	170	7.8	224	7.5	312	7.0	7.0
Flood control and navigation.....	5.5	1,063	6.7	1,915	7.4	2,501	8.0	8.0
Power development and distribution.....	1.9	219	1.9	204	2.1	251	1.5	1.5
Airfields.....	2.0	195	2.0	203	1.5	162	2.3	2.3
Other.....	33.2	667	35.3	849	33.8	1,079	31.8	31.9

## No. 342. FEDERAL LAND, BY AGENCY AND PREDOMINANT USAGE: 1975

[In thousands of acres, except as indicated. As of June 30. Covers land in United States only]

AGENCY	Forest and wildlife	Grazing	Mili- tary exc. air- fields	Parks and historic sites	Recla- mation, irriga- tion	Flood control, navi- gation	Power devel- op- ment <sup>1</sup>	Air- fields	Other
Total cost of land....., mil. dol.	589	26	333	618	313	3,381	272	190	1,141
Total acreage.....	502,253	163,996	18,142	25,284	6,981	7,987	1,517	2,283	31,971
Agriculture.....	167,482	19,076	-	(Z)	-	-	-	-	751
Energy Research and Development Administration.....	-	-	-	-	-	-	-	-	2,109
Defense.....	75	-	18,140	-	19	7,024	717	2,267	2,519
Army.....	-	-	9,926	-	-	-	-	67	1,030
Air Force.....	-	-	6,894	-	-	-	-	1,426	17
Navy.....	-	-	1,275	-	-	-	-	774	1,469
Corps of Engineers <sup>2</sup> .....	75	-	45	(Z)	19	7,024	717	-	3
Interior.....	334,605	144,320	-	25,124	6,963	20	750	(Z)	26,203
Tennessee Valley Authority.....	1	-	-	155	-	713	40	-	23
Other.....	1	-	-	5	1	221	1	16	366

- Represents zero. Z Less than 500 acres.

<sup>1</sup> Includes distribution.<sup>2</sup> Civil functions only.Source of tables 341 and 342: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

## No. 343. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1951 to 1975

[For years ending June 30. For explanation of terms, see text, p. 205. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 26-32]

ITEM	1951-1960	1961-1965	1966-1970	1971-1975	1972	1973	1974	1975
Original entries and selections <sup>1</sup> ....., 1,000 acres.	3,176	13,643	3,875	13,078	45	132	1,092	11,762
Final entries <sup>1</sup> ....., 1,000 acres.	2,382	2,054	2,123	4,704	155	430	3,287	728
Patents and certifications <sup>1</sup> ....., 1,000 acres.	5,628	4,186	7,338	5,581	293	566	3,584	807
Homestead entries, exc. on ceded Indian lands:								
Original entries:								
Number.....	6,158	2,145	238	211	67	32	92	13
Acreage....., 1,000.....	790	250	33	24	8	3	10	2
Final entries <sup>2</sup> ....., 1,000 acres.	442	118	54	42	22	6	5	4
Cash receipts <sup>3</sup> ....., mil. dol.	1,399	1,297	3,473	16,141	525	4,230	7,178	2,920
Mineral leases....., mil. dol.	1,050	967	3,045	15,415	409	4,088	7,001	2,731
Sales of timber....., mil. dol.	209	193	280	496	84	105	128	108

<sup>1</sup> Includes homesteads. <sup>2</sup> Excludes commuted homesteads. <sup>3</sup> Comprises Bureau of Land Management receipts from such sources as: Sales of public and ceded Indian lands; fees and commissions; mineral rentals; royalties, and bonuses; sales of timber; grazing fees and rentals; and land rentals. Includes oil and gas receipts of \$2,722 million.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 344. PUBLIC LANDS—HOMESTEAD ENTRIES, 1951 TO 1975, AND VACANT LANDS, 1950 TO 1975, BY STATES

[In thousands of acres. Homestead entries for years ending June 30; vacant lands as of June 30. Excludes States with less than 500 acres in years specified. Vacant public lands are those which are unappropriated and unreserved. The former represent lands not covered by an entry; the latter, lands not reserved for some public purpose, i.e., available for entry or selection under an appropriation law. Data cover vacant public lands other than Alaska withdrawn for classification in furtherance of Taylor Grazing Act and for conservation and development of natural resources. See text, pp. 205 and 206. See also *Historical Statistics, Colonial Times to 1970*, series J 8 for vacant lands excluding Alaska and J 13-15 for homestead entries]

STATE AND AGENCY	HOMESTEAD ENTRIES <sup>1</sup>					VACANT LANDS <sup>2</sup>					
	1951-1960, total	1961-1970, total	1973	1974	1975	1950	1960	1970	1973	1974	1975
Total.....	790.0	291.9	3.2	10.3	1.9	3,440,408	437,879	4,159,139	172,975	4,159,086	4,158,778
Ala.....	-	-	-	-	-	27	3	1	(Z)	3	3
Alaska.....	572.0	279.9	2.4	9.5	1.4	270,000	270,200	257,138	13,848	257,120	257,065
Ariz.....	9.4	1.3	-	-	-	12,545	12,442	11,597	11,583	11,598	11,592
Calif.....	8.9	-	-	-	-	16,306	15,673	14,587	14,594	14,598	14,570
Colo.....	14.5	.2	-	-	-	8,070	8,090	6,485	6,428	6,440	6,440
Idaho.....	96.0	3.0	-	-	-	10,858	11,652	11,597	11,534	11,520	11,520
Minn.....	-	-	-	-	-	93	58	23	26	26	26
Mont.....	1.6	-	.4	(Z)	.2	6,773	6,885	6,143	6,132	6,138	6,140
Nebr.....	-	-	-	-	-	25	6	8	4	4	4
Nev.....	25.8	5.2	.2	-	-	47,158	46,027	47,310	47,409	47,354	47,387
N. Mex.....	3.9	1.5	.1	-	-	14,503	13,129	12,576	12,392	12,401	12,400
N. Dak.....	-	-	-	(Z)	-	96	79	69	68	68	68
Oreg.....	1.3	-	-	-	-	13,298	13,153	13,342	13,378	13,385	13,136
S. Dak.....	-	-	.2	(Z)	-	290	272	276	276	276	276
Utah.....	53.6	.3	-	-	-	23,033	24,097	20,877	20,843	20,821	20,798
Wash.....	.8	.3	-	-	-	487	865	292	291	303	304
Wyo.....	2.5	.1	-	-	-	16,615	16,198	13,944	14,169	14,121	14,118
Other States.....	.5	.1	-	-	-	230	50	11	8	18	16
Bureau of Land Management.....	4.2	-	-	-	-	(X)	(X)	(X)	(X)	(X)	(X)

- Represents zero. X Not applicable. Z Less than 500 acres.

<sup>1</sup> Original entries, except as indicated. <sup>2</sup> Includes acreage of public lands within grazing districts, as follows (in thousands): 1950, 134,875; 1960, 141,645; 1970, 132,661; 1973, 132,387; 1974, 132,310; and 1975, 132,285.

<sup>3</sup> Includes 1,000 acres for Missouri. <sup>4</sup> Excludes Alaska; see footnote 5.

<sup>5</sup> Effective Jan. 17, 1969, all unreserved lands in Alaska were withdrawn from all forms of appropriations or disposition under the Public Land Laws; land and resources were reserved until Dec. 31, 1970, for determination and protection of rights of native Aleuts, Eskimos, and Indians of Alaska. The Alaskan Native Claims Act of Dec. 18, 1971, and Public Land Order No. 5418 dated Mar. 25, 1974, withdraws all unreserved lands in Alaska.

No. 345. PUBLIC AND INDIAN LAND—ENTRIES UNDER ALL ACTS, BY STATES: 1956 TO 1975

[In thousands of acres. For years ending June 30. See text, pp. 205 and 206. See also *Historical Statistics, Colonial Times to 1970*, series J 10-12]

STATE	ORIGINAL ENTRIES							FINAL ENTRIES			PATENTS AND CERTIFICATIONS		
	1956-1965, total	1966-1975, total	1970	1972	1973	1974	1975	1973	1974	1975	1973	1974	1975
Total.....	15,719	16,954	124	45	132	1,092	11,762	430	3,287	728	566	3,584	807
Alaska.....	18,925	15,350	4	12	62	1,071	11,752	323	3,223	672	309	3,437	672
Ariz.....	312	1,195	90	14	4	5	(Z)	27	3	2	76	19	10
Calif.....	70	55	2	1	38	5	3	8	14	12	12	17	30
Idaho.....	324	169	14	9	11	10	4	22	17	18	31	18	19
Nev.....	532	83	8	7	3	(Z)	2	18	7	6	20	7	10
Wyo.....	65	32	2	2	1	(Z)	-	11	20	15	28	4	15
Other.....	492	90	6	(Z)	13	1	1	21	3	3	90	82	51

- Represents zero. Z Less than 500 acres.

Source of tables 344 and 345: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

## Public Lands, Parks, Recreation, and Travel

No. 346. LANDS UNDER JURISDICTION OF BUREAU OF INDIAN AFFAIRS—ACREAGE,  
BY STATES: 1920 TO 1975[In thousands of acres. Excludes States with less than 500 acres in years specified. See also *Historical Statistics, Colonial Times to 1970*, series J 16-19]

STATE	1920	1940	1960 <sup>1</sup>	1970 <sup>1</sup>	1974 <sup>1</sup>	1975 <sup>1</sup>			
						Total	Indian		Government owned
							Trust allotted	Tribal <sup>2</sup>	
Total	3,714,399	55,406	4,58,076	55,408	53,169	52,316	10,125	41,299	892
Alaska	(NA)	(NA)	4,168	4,170	1,350	117	30	87	-
Arizona	18,653	19,225	21,515	10,714	19,849	20,034	253	19,691	90
California	517	607	568	536	544	546	74	472	(Z)
Colorado	469	607	752	755	782	782	4	778	(Z)
Florida	24	61	70	79	79	79	-	79	(Z)
Idaho	633	818	835	828	828	827	342	444	41
Iowa	3	3	4	4	4	4	-	4	(Z)
Kansas	273	36	29	27	26	26	23	3	(Z)
Michigan	153	27	22	21	21	21	9	8	4
Minnesota	1,509	653	756	763	764	764	51	684	29
Mississippi <sup>3</sup>	(X)	9	16	18	17	17	(Z)	17	(Z)
Montana	6,054	6,455	5,457	5,274	5,281	5,282	3,172	1,986	124
Nebraska	360	76	68	62	61	61	43	18	(Z)
Nevada	741	1,127	1,152	1,148	1,151	1,153	79	1,066	8
New Mexico	4,697	7,153	6,642	7,209	7,535	7,537	680	6,471	386
North Carolina	63	67	56	57	56	56	-	56	(Z)
North Dakota	2,105	1,036	879	850	850	850	652	192	6
Oklahoma	19,552	2,844	1,855	1,424	1,327	1,306	1,214	65	27
Oregon	1,718	1,737	1,238	887	761	761	147	614	(Z)
South Dakota	6,686	5,865	5,064	4,975	5,023	5,020	2,600	2,273	147
Utah	1,641	1,693	2,125	2,271	2,276	2,276	39	2,237	(Z)
Washington	2,719	2,740	2,591	2,460	2,502	2,504	534	1,967	3
Wisconsin	500	445	422	188	188	407	81	300	26
Wyoming	2,102	2,013	1,890	1,887	1,886	1,886	98	1,787	1

<sup>1</sup> Represents zero. NA Not available. X Not applicable. Z Less than 500 acres.<sup>1</sup> Taxable lands generally included. <sup>2</sup> Includes tribal fee lands.<sup>3</sup> Includes 88,000 acres in New York; partial jurisdiction over Indian lands resides with New York State and acreage not shown for later years.<sup>4</sup> Includes 3,600 acres in South Carolina, not shown separately. <sup>5</sup> Land purchased in 1939.Source: U.S. Bureau of Indian Affairs, *Annual Report of Indian Land*, and unpublished data.

## No. 347. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1975

[As of June 30, except as noted. Excludes leases on acquired, submerged, and military lands. See *Historical Statistics, Colonial Times to 1970*, series J 41-42, for oil and gas leases]

YEAR	Total	MINERAL CLASS				OTHER CLASSES <sup>2</sup>		
		Leases			Permits	Licenses	Leases	
		Total	Oil and gas <sup>1</sup>	Coal			Total	Permits <sup>3</sup>
Number:								
1960	142,114	140,057	139,534	294	229	2,035	22	10,010
1965	101,863	101,086	100,339	379	308	768	14	10,246
1970	100,508	100,010	99,038	525	447	583	5	10,103
1972	94,613	94,178	93,217	528	434	432	2	9,863
1973	95,639	95,315	94,302	526	427	322	2	9,658
1974	99,042	98,732	97,795	526	411	307	3	9,368
1975	104,075	103,762	102,815	529	418	309	4	9,233
Acreage (1,000):								
1960	118,157	114,136	113,667	199	270	4,020	1	18,615
1965	66,267	64,955	64,148	374	433	1,311	1	18,221
1970	65,374	64,823	63,030	764	529	1,051	(Z)	18,461
1972	64,580	63,613	62,340	780	493	968	(Z)	17,890
1973	69,082	68,928	67,664	778	486	754	(Z)	17,601
1974	74,520	73,800	72,537	781	483	720	(Z)	17,199
1975	82,618	81,885	80,621	780	485	733	(Z)	17,315

<sup>1</sup> NA Not available. Z Less than 500 acres. <sup>2</sup> Includes naval petroleum reserve: 17 leases, 9,227 acres.<sup>2</sup> Excludes grazing licenses and permits within grazing districts. <sup>3</sup> As of Dec. 31.Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

## No. 348. PUBLIC OUTDOOR RECREATION ACREAGE, BY TYPE OF AREA AND ADMINISTERING JURISDICTION: 1972

[In thousands of acres. "Other" jurisdictions include park and recreation districts and regional councils]

JURISDICTION	Total	Regional, community, and neighborhood parks and recreation areas	Forest areas	Fish and game areas	Historic and cultural areas	Wilderness, primitive, and natural areas	Other
Total	319,243	25,756	184,160	50,261	1,382	31,213	26,471
Federal	266,720	19,107	160,165	32,790	1,311	28,095	25,253
State	41,795	4,412	19,058	15,771	49	1,432	1,071
County	8,132	1,299	4,048	1,407	11	1,388	29
City	1,629	687	383	210	8	282	99
Township	631	74	406	38	1	22	1
Other	336	167	10	45	2	94	18

Source: U.S. Bureau of Outdoor Recreation, *Outdoor Recreation: A Legacy for America*.

## No. 349. PUBLIC OUTDOOR RECREATION ON INDIAN LANDS: 1971

ITEM	1971	ITEM	1971
Public use acreage	1,000	Recreation facilities—Continued	
Lakes, ponds, reservoirs, etc.	84,549	Dude ranches	5
Acreage	9,298	Picnic areas	1,401
Streams	1,000	Trails	407
Visitor days <sup>1</sup>	9,294	Scenic roads	292
Recreation facilities:	1,207	Scenic vistas	114
Seasonal cottages	1,851	Marinas	7
Year-round cottages	82	Boat ramps	251
Motels or resorts	59	Ski lifts	5
Campgrounds	1,320	Museums	20

<sup>1</sup> For definition, see headnote, table 354.

Source: U.S. Bureau of Indian Affairs, unpublished data.

## No. 350. FEDERAL ACQUISITIONS AND FUND GRANTS FOR OUTDOOR RECREATION: 1967 TO 1975

[For years ending June 30. Covers only obligations for projects financed by Land and Water Conservation Fund. The Corps of Engineers, Department of Defense, and the Department of Housing and Urban Development, among other Federal agencies, also provide financial support for outdoor recreation resources. Cost figures shown for Federal acquisitions frequently include adjustments associated with acres purchased in prior years, e.g., refunds or deficiency judgments for condemnations]

ITEM	1967	1968	1969	1970	1971	1972	1973	1974	1975
<b>Federal real property acquisitions:</b> <sup>1</sup>									
Acres purchased, total	1,000	130.7	144.7	255.3	215.0	105.8	150.5	175.1	123.3
National Park Service	1,000	52.6	56.3	124.5	60.4	52.1	57.5	37.6	63.2
Forest Service	1,000	78.1	85.9	120.9	139.8	49.0	81.0	133.4	55.8
Fish and Wildlife Service	1,000	(Z)	2.5	.9	15.0	4.5	11.5	3.0	2.6
Bureau of Land Management	1,000	~	~	~	~	.2	.5	1.1	1.4
Cost, total	mill. dol.	47.2	43.4	142.3	80.3	88.2	91.7	85.8	105.7
National Park Service	mill. dol.	29.9	29.9	44.9	57.4	68.3	55.0	53.2	76.8
Forest Service	mill. dol.	17.4	12.2	16.0	18.1	14.6	30.3	27.6	27.8
Fish and Wildlife Service	mill. dol.	(Z)	1.8	1.2	1.7	5.1	4.2	4.1	1.5
Bureau of Land Management	mill. dol.	~	~	~	(Z)	.1	.7	.8	.6
Bureau of Outdoor Recreation	mill. dol.	~	~	80.2	3.1	.1	1.5	.1	(Z)
<b>Federal matching grants to States:</b> <sup>2</sup>	mill. dol.	82.1	71.6	72.6	49.4	110.5	192.1	212.1	179.3
State recreation resources	mill. dol.	49.6	48.6	28.6	27.7	52.5	92.2	70.1	81.5
County recreation resources	mill. dol.	8.0	7.4	12.0	5.9	17.5	30.7	23.1	28.4
Local recreation resources	mill. dol.	24.5	15.7	33.9	15.8	40.5	69.1	103.9	74.4
For acquisition	mill. dol.	29.9	27.3	37.9	20.6	45.7	73.9	78.1	79.2
For development and/or planning	mill. dol.	52.1	44.3	34.6	28.8	64.8	118.1	134.0	100.1

<sup>1</sup> Represents zero. <sup>Z</sup> Less than 50 acres or \$50,000. <sup>2</sup> Covers land, waters, and improvements.<sup>2</sup> Administrative and acquisition expenses for Redwoods acquisition.<sup>3</sup> Includes grants to District of Columbia, Puerto Rico, Guam, Virgin Islands, and American Samoa.

Source: U.S. Bureau of Outdoor Recreation, unpublished data.

## No. 351. NATIONAL PARK SYSTEM—SUMMARY: 1950 TO 1975

[For years ending June 30, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

ITEM	1950	1960	1965	1970	1972	1973	1974	1975
<b>Finances (mil. dol.):</b>								
Expenditures reported <sup>1</sup>	24.1	74.2	131.6	188.8	186.7	208.9	250.5	341.8
Salaries and wages	11.8	29.0	48.6	82.5	98.4	120.2	128.8	152.1
Improvements and maintenance	2.9	4.7	8.3	15.5	18.7	24.4	26.0	40.4
Construction	7.3	33.2	55.3	28.9	39.0	28.0	36.6	85.5
Other	2.0	6.5	19.5	17.0	30.5	36.3	59.1	63.8
Funds available for expenditures	37.4	115.7	183.1	174.6	207.2	348.1	437.5	428.0
Appropriations	30.1	79.6	128.4	129.4	241.7	236.1	235.8	345.6
Other	7.3	36.2	54.7	45.2	55.5	112.1	141.7	82.4
Revenue from operations <sup>2</sup>	3.5	5.7	7.4	8.8	15.1	16.2	13.9	17.2
<b>Visits (millions):<sup>3</sup></b>								
All areas	433.3	79.2	121.3	172.0	211.6	215.6	217.4	238.8
National parks	13.9	26.8	36.6	45.9	54.4	54.7	53.1	58.8
National monuments	5.3	10.7	12.3	17.3	16.3	16.3	15.2	17.3
National historical, archeological, and military areas	0.5	21.8	40.7	47.0	72.6	71.6	72.9	75.7
National parkways	2.0	9.0	13.0	27.8	30.9	33.4	34.5	36.0
National recreation areas	2.6	3.7	6.2	11.5	12.2	13.0	15.1	23.9
National seashores	(X)	.5	3.4	9.1	11.1	12.2	11.5	13.3
National Capital Parks	(NA)	6.0	9.2	10.3	9.7	10.9	8.7	11.2
Miscellaneous other areas	(X)	(X)	(X)	3	5	3	3	3
Overnight stays reported	44.5	9.4	13.0	16.2	14.6	15.3	15.4	16.7
Camper days	42.2	4.8	8.1	9.0	8.4	8.7	8.4	8.8
In commercial lodgings	2.3	2.8	3.3	4.9	3.4	3.5	3.7	4.0
Other	(NA)	1.8	1.6	2.2	2.8	3.2	3.3	3.9
<b>Land (1,000 acre):</b>								
Total <sup>4</sup>	23,836	25,704	26,540	28,543	28,878	29,117	20,031	29,091
Parks	12,222	13,208	13,619	14,307	14,730	14,740	14,777	15,344
Recreation areas	2,010	3,214	3,497	3,628	3,630	3,648	4,242	3,052
Other	9,605	9,283	9,432	10,608	10,503	10,720	10,012	9,795
Acquisition, gross	860	21	310	83	490	476	75	110
By purchase	2	6	42	74	420	456	59	70
By gift	785	10	13	1	47	13	10	(2)
By transfer or exchange	73	5	264	10	23	6	6	40
Exclusion	(2)	(2)	(2)	2	1	1	(2)	(2)
Acquisition, net	860	21	318	82	490	476	75	110

NA. Not available. X. Not applicable. % Less than \$50,000 or 500 acres. <sup>1</sup> Excludes transfers and allocations from appropriations to other agencies (e.g., Land and Water Conservation Fund, etc.). <sup>2</sup> Receipts deposited in Treasury; beginning 1974, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. They totaled \$11.1 million in 1974 and in 1975. <sup>3</sup> For calendar year; 1950 data not adjusted for comparability with counting system as modified in 1960. Prior to 1985, excludes visits to White House. <sup>4</sup> Excludes National Capital Parks. <sup>5</sup> Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. <sup>6</sup> Excludes "other" overnight stays. <sup>7</sup> Federal land only. <sup>8</sup> Acreage as of Jan. 1 following year stated. <sup>9</sup> Acreage as of Dec. 31. <sup>10</sup> Represents U.S. lands alienated by exchange of U.S. and private lands.

Source: U.S. National Park Service, *Campground Use in the National Park Service; Camper Days in Areas Administered by the National Park Service; Public Use of the National Parks*, monthly, and *Public Use of the National Park System*, semiannual; *Areas Administered by the National Park Service*, semiannual; and unpublished data.

## No. 352. NATIONAL PARK SYSTEM—TYPES OF AREAS: 1975

[As of December 31. Includes data for 5 areas in Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

TYPE OF AREA	Number of areas	Federal acreage	TYPE OF AREA	Number of areas	Federal acreage
National Park System	286	29,090,775	National memorials	22	6,003
Historical areas	187	306,827	National seashores	10	424,640
Natural areas	74	24,741,741	Parkways	4	149,859
Recreational areas	45	3,952,207	National lakeshores	4	55,625
National parks	38	15,944,416	National scenic riverways	3	69,287
National historical parks	16	51,395	National Capital Parks	1	6,452
National monuments	81	9,604,703	White House	1	18
National military parks	11	33,000	Parks, other	9	30,404
National Memorial Park	1	69,676	National recreation areas	16	3,156,302
National battlefields	7	5,147	National Scenic Trail	1	15,100
National battlefield parks	3	6,632	National preserves	2	425
National battlefield sites	2	1,281	National River	1	48,804
National historic sites	51	11,410	National Visitor Center	1	-
			National Mall	1	146

- Represents zero.

Source: U.S. National Park Service, *Areas Administered by the National Park Service*, semiannual.

## No. 353. OVERNIGHT STAYS IN SELECTED NATIONAL PARK SERVICE AREAS: 1975

[In thousands. An overnight stay is the passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. Area selection based on minimum of 250,000 overnight stays during the year]

AREA	Total over- night stays	CONCESSIONERS		Camp grounds oper- ated by NPS	Back- country camp- ing	Mis- cel- laneous <sup>4</sup>
		Lodg- ing <sup>1</sup>	Camp- ing <sup>2</sup>			
Total, all areas <sup>4</sup>	16,716	3,090	865	8,817	2,347	1,597
Blue Ridge Parkway, Ga., N.C., Va.	268	52	-	209	1	6
Cape Hatteras National Seashore, N.C.	360	-	-	330	-	30
Glacier National Park, Mont.	338	81	-	232	25	-
Glen Canyon Nat'l Recreation Area, Ariz., Utah	786	104	44	246	378	14
Grand Canyon National Park, Ariz.	993	440	44	332	158	18
Grand Teton National Park, Wyo.	531	190	34	252	33	23
Great Smokey Mountains Nat'l Park, N.C., Tenn.	688	8	-	548	105	27
Kings Canyon National Park, Calif.	310	14	-	212	93	-
Lake Mead National Recreation Area, Ariz., Nev.	1,574	59	456	450	512	97
Olympic National Park, Wash.	481	72	16	271	120	2
Rocky Mountain National Park, Colo.	300	-	-	239	57	12
Sequoia National Park, Calif.	332	91	-	131	110	-
Shenandoah National Park, Va.	684	122	-	336	112	13
Yellowstone National Park, Idaho, Mont., Wyo.	1,293	563	109	577	44	10
Yosemite National Park, Calif.	1,938	779	-	909	188	60
Zion National Park, Utah	307	105	-	184	9	8

- Represents zero.

<sup>1</sup> Includes rooms and cabins.

<sup>2</sup> Includes campgrounds and trailer villages.

<sup>3</sup> Includes organized groups' camping, nights spent aboard boats, nonrecreational overnights, and stays not elsewhere classified.

<sup>4</sup> Includes 100 areas not shown separately.

Source: U.S. National Park Service, *Overnight Stays, 1975*.

## No. 354. NATIONAL FOREST RECREATION USE—SUMMARY: 1975

[Estimated. Represents recreational use of National Forest land and water which aggregates 12 person-hours; may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. See also *Historical Statistics, Colonial Times to 1970*, series H 820-835]

PLACE WHERE USE OCCURRED	Visitor-days (1,000)	Percent	ACTIVITY	Visitor-days (1,000)	Percent
Sites and areas	199,201	100.0	Total	199,201	100.0
Developed sites	75,065	37.7	Camping	53,092	26.7
Observation sites	1,060	0.5	Picnicking	7,481	3.8
Boating sites	1,932	1.0	Recreation travel (mechanized)	44,836	22.5
Swimming sites, playgrounds	1,699	0.8	Boating	6,341	3.2
Campgrounds	37,721	18.9	Swimming and scuba diving	3,930	2.0
Picnic grounds	5,181	2.6	Winter sports	9,412	4.7
Hotels, lodges, resorts	3,956	2.0	Fishing	16,151	8.1
Organization sites	5,794	2.9	Hunting	14,472	7.3
Recreation residence sites	7,423	3.7	Hiking and mountain climbing	9,059	4.5
Winter sports sites	8,921	4.5	Horseback riding	2,617	1.3
Visitor centers and concessions	1,478	0.8	Resort use	3,927	2.0
Dispersed areas	124,136	62.3	Organization camp use	4,263	2.1
Roads (recreation)	44,699	22.4	Recreation residence use	7,428	3.7
Trails (recreation)	9,382	4.7	Gathering forest products	2,274	1.1
Waters	25,224	12.7	Nature study and other	2,083	1.5
General undeveloped country	44,831	22.5	Viewing scenery, sports	7,634	3.8
			Visitor information (exhibits, etc.)	3,301	1.7

Source: U.S. Forest Service, unpublished data.

## No. 355. STATE PARK SYSTEMS—SUMMARY: 1950 TO 1970

[For years ending June 30, in most cases. Prior to 1960, excludes Alaska and Hawaii. Number of agencies which reported varies from year to year. Covers parks, historic sites, and parkways reported by State park and State historical agencies. See also *Historical Statistics, Colonial Times to 1970*, series H 836-848]

ITEM	1950	1955	1960	1961	1962	1967	1970
Areas <sup>1</sup> —number	1,725	2,034	2,664	2,792	2,479	3,202	3,425
Acreage <sup>1</sup> —1,000	4,657	5,086	5,602	5,799	5,783	7,352	8,555
Expenditures—\$1,000	236,399	255,093	87,373	110,101	108,881	270,520	286,752
Salaries and wages—\$1,000	13,622	22,073	37,137	41,076	42,694	77,087	121,546
Supplies and equipment—\$1,000	7,738	11,351	19,132	19,908	18,420	36,935	66,280
Lands—\$1,000	2,651	5,523	12,077	13,035	12,206	57,410	71,685
Improvements—\$1,000	12,364	15,203	19,026	36,085	34,004	107,923	125,794
Funds available for expenditures—\$1,000	52,283	69,075	2131,419	133,673	144,611	472,467	610,194
Appropriations—\$1,000	28,421	43,382	69,294	89,852	98,734	174,420	269,835
Other—\$1,000	23,862	25,693	61,794	43,821	45,877	298,038	389,359
Revenue from operations—\$1,000	6,646	13,817	22,641	23,364	26,466	50,084	70,956
Attendance—1,000	114,291	2183,188	259,001	273,484	284,795	391,063	482,536
Day visits—1,000	108,212	169,123	238,432	249,186	260,745	354,819	431,964
Overnight visits—1,000	6,070	211,057	20,569	22,099	24,050	36,244	50,572
Cabins and hotels—1,000	1,223	1,576	1,697	2,230	2,212	2,350	2,920
Organized camps—1,000	1,480	1,697	2,235	2,206	2,249	2,055	1,910
Tent and trailer camps—1,000	3,377	7,650	16,217	18,563	18,753	31,839	46,742
Personnel—number	10,626	13,637	17,537	18,126	17,621	29,254	34,334
Professional—number	401	373	731	1,386	(NA)	(NA)	3,391
Year-round—number	4,191	5,657	7,412	7,984	7,075	11,477	13,313
Seasonal—number	6,435	7,980	10,125	10,142	10,546	17,777	21,021
Land acquisition—acres	62,042	70,148	68,326	156,485	(NA)	(NA)	1,100,148
By purchase—acres	18,236	13,750	38,915	64,566	(NA)	(NA)	(NA)
By gift—acres	4,586	35,724	7,585	11,648	(NA)	(NA)	(NA)
By other means—acres	39,220	20,674	21,826	80,271	(NA)	(NA)	(NA)

NA Not available.

<sup>1</sup> Excludes State forests, wildlife refuges, and waysides not administered by State park agencies.

<sup>2</sup> Includes data for which the detailed breakdown is not available.

<sup>3</sup> Includes 836,086 primitive campers (few if any facilities).

Source: 1950-1960, U.S. Bureau of Outdoor Recreation, *State Outdoor Recreation Statistics—1962*. Later data, National Recreation and Park Association, Arlington, Va., *State Park Statistics, 1970*, and *Parks & Recreation*, August 1971 (copyright).

## No. 356. MUNICIPAL AND COUNTY PARK AND RECREATION AREAS—NUMBER, ACREAGE, PROFESSIONAL PERSONNEL, AND SELECTED FACILITIES: 1940 TO 1970

[Represents only park and recreation systems which returned questionnaires. In 1965, 2,784 municipal and 358 county agencies and, in 1970, 1,119 local agencies submitted reports. See *Historical Statistics, Colonial Times to 1970*, series H 849-861]

ITEM	1940	1946	1950	1955	1960	1965	1970
Park and other recreation areas:							
Number	(NA)	(NA)	17,142	20,417	24,710	30,509	31,235
Acreage	(NA)	(NA)	644,067	748,701	1,015,461	1,496,378	965,785
Professional personnel, total	24,533	41,159	58,029	76,878	99,696	119,515	87,717
Full time, year-round	3,559	5,147	6,784	8,387	9,216	19,208	17,287
Playgrounds under leadership	9,921	11,559	14,747	18,224	20,107	24,298	11,091
Selected facilities:							
Ball diamonds, 90 foot	3,904	4,323	5,502	5,542	7,044	9,335	4,486
Bathing beaches	572	618	780	830	951	1,261	760
Golf courses, 9 and 18 hole	387	340	454	478	556	1,005	518
Outdoor swimming pools	898	1,116	1,289	1,813	2,513	4,277	4,435
Tennis courts	12,075	11,847	13,085	13,188	15,670	19,926	12,343
Recreation buildings	1,750	1,832	2,087	4,097	3,828	6,486	9,212
Indoor recreation centers	3,086	4,021	6,630	9,400	13,142	16,041	14,287
Softball diamonds, 60 foot	10,042	10,034	12,286	11,834	14,832	17,467	14,808

NA Not available.

Source: National Recreation and Park Association, Arlington, Va. For 1940-1965, *Recreation and Park Yearbook*; for 1970, *Parks & Recreation*, August 1971. (Copyright.)

**NO. 357. PARK AND RECREATION AREAS—STATE, AND MUNICIPAL AND COUNTY, BY STATES: 1970**

STATE	STATE <sup>1</sup>		MUNICIPAL AND COUNTY <sup>2</sup>			STATE	STATE <sup>1</sup>		MUNICIPAL AND COUNTY <sup>2</sup>			
	Areas		Expenditures (mil. dol.)		Areas		Expenditures (mil. dol.)		Areas		Expenditures (mil. dol.)	
	Number	Acres (1,000)	Number	Acres (1,000)	Number	Acres (1,000)	Number	Acres (1,000)	Number	Acres (1,000)	Number	Acres (1,000)
U.S.	3,425	8,555	3,387	19,326	898,1	954	Mo.	55	75	4	374	12,7
Ala.	38	43	10	176	5.5	7	Mont.	44	26	1	53	2.5
Alaska	64	947	1	33	1.4	1	Nebr.	94	111	2	101	6.2
Ariz.	10	20	(z)	387	21.2	12	Nev.	11	45	2	56	2.7
Ark.	30	18	1	67	2.2	2	N.H.	67	35	4	61	1.8
Calif.	173	762	3	2,371	130.6	201	N.J.	90	230	9	448	9.6
Colo.	33	124	5	219	36.1	14	N. Mex.	23	68	1	226	18.5
Conn.	90	30	4	285	16.8	9	N.Y.	258	2,928	56	1,030	38.9
Del.	9	6	1	98	2.9	3	N.C.	34	47	1	201	11.9
D.C.	(X)	(X)	(X)	18	.8	12	N. Dak.	66	5	(z)	30	1.4
Fla.	75	176	15	307	11.9	16	Ohio	114	143	31	1,058	104.2
Ga.	62	40	3	1,061	6.6	12	Oklahoma	67	88	7	177	12.1
Hawaii	41	16	3	(N.A.)	4.0	16	Oreg.	221	81	8	293	7.4
Idaho	22	30	2	39	1.4	1	Pa.	202	276	41	933	24.8
Ill.	90	280	25	1,354	38.5	82	R.I.	81	9	1	61	1.2
Ind.	35	63	3	418	16.1	20	S.C.	40	54	4	56	.9
Iowa	80	35	4	386	19.1	7	S. Dak.	166	80	1	31	.5
Kans.	29	24	2	283	15.5	7	Tenn.	29	48	15	323	11.7
Ky.	40	80	14	82	3.9	2	Tex.	70	71	11	1,100	73.5
La.	25	13	1	288	6.4	5	Utah	43	56	1	14	3.3
Maine	58	242	1	61	1.3	(z)	Vt.	45	125	2	74	4.0
Md.	42	47	6	329	27.5	7	Va.	29	30	3	711	22.6
Mass.	81	223	7	812	17.8	24	Wash.	151	77	10	600	18.9
Mich.	76	205	13	840	42.2	35	W. Va.	31	60	2	63	2.0
Minn.	98	155	4	597	39.0	26	Wis.	63	108	4	542	26.6
Miss.	19	14	1	53	1.6	1	Wyo.	11	122	1	48	8.1

NA. Not available. X. Not applicable. Z. Less than \$500,000.

<sup>1</sup> Covers 73 agencies in the 50 States, including all major ones that administer parks, recreation areas, historic sites, parkways, and related types of areas.

<sup>2</sup> 1,119 agencies. <sup>3</sup> Includes data which could not be allocated to individual States.

Source: National Recreation and Park Association, Arlington, Va., *State Park Statistics, 1970*, and *Parks & Recreation*, August 1971. (Copyright.)

**NO. 358. PARTICIPATION IN SELECTED OUTDOOR RECREATION ACTIVITIES: 1972**  
 [Persons 12 years old and over. Based on a home interview survey of approximately 4,000 persons drawn from non-institutional population of conterminous U.S. Data cover participation during June, July, and August 1972, except as noted]

ACTIVITY	PARTICIPANTS		PERSON-DAYS		ACTIVITY	PARTICIPANTS		PERSON-DAYS	
	Number (mil.)	Percent of population <sup>1</sup>	Of participation <sup>2</sup> (mil.)	Per participant		Number (mil.)	Percent of population <sup>1</sup>	Of participation <sup>2</sup> (mil.)	Per participant
Camping:					Swimming:				
In remote areas <sup>3</sup>	7.7	5	57	7.5	Outdoor pool	28.5	18	267	9.0
In developed campgrounds	17.5	11	153	8.8	Other outdoors	53.8	34	487	9.2
Hunting <sup>4</sup>	22.2	14	299	13.5	Golf	7.7	5	63	8.2
Fishing	38.0	24	278	7.3	Tennis	8.6	5	81	9.5
Riding motorcycles off road	7.4	5	58	7.8	Playing other outdoor games or sports	35.0	22	339	9.7
Hiking with a pack <sup>5</sup>	8.6	5	45	5.2	Going to outdoor sports events	18.9	12	97	5.1
Nature walks	26.7	17	149	5.6					
Walking for pleasure	54.2	34	496	9.2	Visiting zoos and fairs <sup>6</sup>	38.7	24	123	3.2
Bicycling	16.7	10	214	12.8	Sightseeing	59.8	37	363	6.1
Horseback riding	8.7	5	51	5.0	Picnicking	74.4	47	405	5.4
Water skiing	8.5	5	54	6.4	Driving for pleasure	54.5	34	405	7.4
Sailing	4.1	3	32	7.9	Snow skiing	7.2	5	58	8.1
Other boating	23.8	15	126	5.4	Snowmobiling	7.2	5	104	14.3
					Other winter sports	24.8	16	250	10.4

<sup>1</sup> Population 12 years old and over. <sup>2</sup> Participation by a person in an activity during any part or parts of a calendar day is counted as a person-day. <sup>3</sup> Includes wilderness areas. <sup>4</sup> Participation during Sept. 1971-May 1972. <sup>5</sup> Includes mountain/rock climbing. <sup>6</sup> Includes amusement parks.

Source: U.S. Bureau of Outdoor Recreation, unpublished data.

## No. 359. PERSONAL CONSUMPTION EXPENDITURES FOR RECREATION: 1950 TO 1974

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Represent market value of purchases of goods and services by individuals and nonprofit institutions. See *Historical Statistics, Colonial Times to 1970*, series H 878-893, for single-year figures prior to minor revisions issued in 1976.]

TYPE OF PRODUCT OR SERVICE	1950	1955	1960	1965	1970	1971	1972	1973	1974
Total recreation expenditures	11,147	14,078	17,855	25,907	40,999	43,664	49,100	54,945	60,544
Books and maps	674	867	1,139	1,648	2,356	2,461	2,530	2,784	3,049
Magazines, newspapers, sheet music	1,495	1,869	2,164	2,662	3,900	4,240	4,685	5,802	7,078
Nondurable toys and sport supplies	1,304	1,803	2,477	3,585	5,477	5,839	6,542	7,305	7,993
Wheel goods, durable toys, sports equip., boats, pleasure aircraft	869	1,386	1,976	2,888	5,511	5,902	7,315	8,197	8,853
Radio and television receivers, records, musical instruments	2,421	2,869	3,003	5,041	8,885	9,584	10,984	12,288	13,270
Radio and television repair	288	516	774	933	1,079	1,137	1,222	1,334	1,468
Flowers, seed, and potted plants	457	546	703	1,272	2,134	2,264	2,655	2,885	3,270
Admissions to specified amusements	1,781	1,801	1,652	2,128	3,141	3,359	3,487	3,659	4,016
Motion picture theaters	1,376	1,326	956	1,067	1,521	1,626	1,644	1,766	2,084
Legitimate theaters and opera, and entertainments of non-profit institutions	183	245	342	388	556	570	632	670	717
Spectator sports	222	230	354	668	1,064	1,168	1,211	1,223	1,265
Clubs and fraternal organizations <sup>1</sup>	462	509	728	859	1,197	1,212	1,286	1,331	1,432
Comm'l participant amusements <sup>2</sup>	448	584	1,200	1,605	2,317	2,373	2,650	2,905	3,160
Parimutuel net receipts	230	381	539	814	1,144	1,257	1,359	1,502	1,614
Other <sup>3</sup>	624	887	1,500	2,387	3,858	4,086	4,425	4,958	5,386

<sup>1</sup> Except athletic.

<sup>2</sup> Gross receipts less cash benefits of fraternal, patriotic, and women's organizations except insurance; and dues and fees of athletic, social, and luncheon clubs, and school fraternities.

<sup>3</sup> Billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; daily fee golf greens fees; golf instruction, club rental, and caddy fees; sightseeing buses and guides; and private flying operations.

<sup>4</sup> Photo developing and printing, photographic studios, collectors' net acquisitions of stamps and coins, hunting dog purchase and training, sports guide service, veterinary services, purchase of pets, camp fees, nonvending coin machine receipts minus payoff, and other commercial amusements.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1974*.

## No. 360. SELECTED RECREATIONAL ACTIVITIES: 1960 TO 1975

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 873-874, and H 877]

ACTIVITY	Unit	1960	1965	1970	1971	1972	1973	1974	1975
Softball, amateur, Amateur Softball Association of America:									
Adult participants <sup>1</sup>	Mil.	(NA)	(NA)	16	18	18	21	24	28
Youth participants <sup>1</sup>	1,000	(NA)	(NA)	255	260	285	390	420	450
Adult teams <sup>2</sup>	1,000	(NA)	(NA)	36	41	46	56	64	75
Youth teams <sup>2</sup>	1,000	(NA)	(NA)	2	2	3	7	8	10
Golf, National Golf Foundation:									
Golfers (16 rounds or more)	1,000	4,400	7,750	9,700	10,000	10,400	11,000	11,660	12,000
Courses <sup>3</sup>	No.	6,385	8,323	10,188	11,174	11,374	11,958	12,299	12,306
9-hole	No.	3,600	4,554	5,343	5,903	5,989	6,051	6,080	6,024
18-hole and larger	No.	2,725	3,709	4,845	5,271	5,385	5,905	6,219	6,282
Classification:									
Private	No.	3,236	3,887	4,619	4,980	5,052	5,074	5,075	5,085
Daily fee	No.	2,264	3,368	4,248	4,679	4,774	5,212	5,477	5,473
Municipal	No.	895	1,068	1,321	1,515	1,548	1,670	1,747	1,748
Tenpin bowling, American Bowling Congress: <sup>4</sup>									
Establishments	No.	8,997	10,752	9,140	8,922	8,818	8,674	8,592	8,577
Lanes	No.	107,908	159,079	141,402	139,483	139,023	138,562	139,267	140,741
Membership, total <sup>5</sup>	1,000	5,538	8,010	7,733	7,610	7,963	8,213	8,482	8,751
American Bowling Congress	1,000	3,665	4,944	4,210	4,000	4,100	4,150	4,200	4,300
Women's Bowling Congress	1,000	1,543	2,736	2,988	3,000	3,134	3,343	3,531	3,692
Duckpin bowling, National Duckpin Bowling Congress: <sup>6</sup>									
Establishments	No.	653	641	486	(NA)	453	246	210	205
Lanes	No.	8,707	8,714	6,648	(NA)	6,146	3,879	3,718	3,643
Teams	No.	82,067	80,818	75,320	(NA)	66,530	30,808	26,133	25,877
Motion picture theaters <sup>7,8</sup>									
Four-wall	1,000	9,16	13	14	14	14	15	15	(NA)
Drive-in	1,000	9,12	9	10	10	11	11	11	(NA)
Receipts, box office	Mil. dol.	951	927	1,225	1,214	1,375	1,500	1,908	2,115

See footnotes at end of table.

# Recreational Activities—Spectator Sports

219

## No. 360. SELECTED RECREATIONAL ACTIVITIES: 1960 TO 1975—Continued

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 873-874, and H 877]

ACTIVITY	Unit	1960	1965	1970	1971	1972	1973	1974	1975
Motion picture theatergoers <sup>8</sup> —Con.									
Admission, average price.....	Dollars..	.65	10.85	1.55	1.65	1.70	1.76	1.80	2.05
Outboard motors and boats: <sup>11</sup>									
Motors in use.....	1,000....	5,800	6,645	7,215	7,300	7,400	7,510	7,595	7,649
Motors sold.....	1,000....	468	303	430	495	535	585	545	485
Value, retail.....	Mil. dol.	221	188	281	362	432	503	483	411
Horsepower, average.....	(X)	27.4	28.2	31.0	35.6	38.1	40.8	40.5	40.3
Outboard boats sold.....	1,000....	12,294	260	276	278	375	448	425	328
Value, retail.....	Mil. dol.	(NA)	138	177	189	268	325	310	268
Length, average.....	Feet.....	18.3	15.4	15.6	15.6	16.4	14.2	14.4	
Inboard/outdrive boats sold.....	1,000....	(12)	43	44	63	78	70	70	
Value, retail.....	Mil. dol.	(NA)	64	182	201	308	410	387	420
Boat trailers sold.....	1,000....	208	180	213	220	285	330	325	255
Value, retail.....	Mil. dol.	(NA)	29	51	53	72	94	98	88

NA Not available. X Not applicable. <sup>1</sup> Represents participants on Amateur Softball Association teams and other amateur softball teams. <sup>2</sup> Amateur Softball Association teams only. <sup>3</sup> Prior to 1974, figures represent facilities. <sup>4</sup> Season ending in year shown. <sup>5</sup> Includes American Jr. Bowling Congress.

<sup>6</sup> Excludes Alaska and Hawaii. <sup>7</sup> Season beginning in year shown. <sup>8</sup> Source: Motion Picture Association of America, Inc., New York, N.Y. <sup>9</sup> 1958 data. <sup>10</sup> 1963 data. <sup>11</sup> Source: Marex, Inc., Chicago, Ill. <sup>12</sup> Inboard/outdrive boats sold included with outboard boats sold.

Source: Compiled from sources listed in stub of table and footnotes.

## No. 361. SELECTED SPECTATOR SPORTS: 1960 TO 1975

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

ACTIVITY	Unit	1960	1965	1970	1971	1972	1973	1974	1975
Baseball, major leagues: <sup>1</sup>									
Attendance.....	1,000....	20,261	22,806	29,191	29,812	27,754	30,905	30,571	30,373
Regular season.....	1,000....	10,911	22,442	28,747	29,193	26,987	30,109	29,994	29,789
National League <sup>2</sup> .....	1,000....	10,685	13,581	16,662	17,325	15,530	16,675	16,978	16,600
American League <sup>3</sup> .....	1,000....	9,227	8,861	12,085	11,869	11,438	13,434	13,016	13,189
Playoffs.....	1,000....	(X)	(X)	191	268	424	438	317	276
World Series <sup>2,3</sup> .....	1,000....	350	364	253	351	363	358	280	308
Basketball, attendance: <sup>14</sup>									
National Basketball Assn.....	1,000....	1,086	2,750	5,147	6,195	6,634	6,834	6,885	7,863
American Basketball Assn.: <sup>15</sup>									
Regular season.....	1,000....	(X)	(X)	1,753	2,280	2,437	2,400	2,319	2,703
Playoffs.....	1,000....	(X)	(X)	213	299	300	384	265	388
Football:									
College, National Collegiate Athletic Association:									
Teams.....	No....	620	616	617	618	620	630	634	634
Attendance.....	1,000....	20,403	24,683	29,458	30,455	30,829	31,288	31,235	31,688
Professional, National Football League, attendance.....	1,000....	54,153	50,546	9,991	10,560	10,920	11,257	10,675	10,688
Regular season.....	1,000....	54,054	56,416	9,533	10,076	10,446	10,731	10,238	10,213
Championship games.....	1,000....	598	5130	458	484	483	526	439	475
Hockey, attendance:									
National Hockey League:									
Regular season.....	1,000....	2,387	2,823	5,992	7,258	7,609	8,576	8,641	9,522
Playoffs.....	1,000....	187	304	462	708	583	625	600	784
World Hockey Association:									
Regular season.....	1,000....	(X)	(X)	(X)	(X)	(X)	2,480	2,785	4,096
Playoffs.....	1,000....	(X)	(X)	(X)	(X)	(X)	236	289	336
Boxing, professional matches: <sup>16</sup>									
Boxers <sup>17</sup> .....	No....	2,920	2,202	5,071	5,783	6,186	7,384	8,469	7,647
Receipts, gross <sup>18</sup> .....	\$1,000....	5,902	8,284	10,642	10,237	11,847	12,634	14,250	13,179
Racing, Natl. Assn. of State Racing Commissioners:									
Horseracing: <sup>19</sup> Racing days.....	No....	6,099	8,051	9,962	10,792	11,478	11,805	12,211	13,337
Attendance.....	1,000....	46,879	62,887	69,704	73,619	70,807	75,016	74,948	79,252
Parimutuel turnover.....	Mil. dol.	3,368	4,615	5,977	6,350	6,401	7,027	7,513	7,749
Revenue to States.....	Mil. dol.	258	370	486	508	506	537	587	586
Greyhound racing: Days.....	No....	2,478	3,443	3,023	3,276	3,247	3,630	3,842	3,901
Attendance.....	1,000....	7,924	10,865	12,660	13,668	13,760	15,114	16,282	16,922
Parimutuel turnover.....	Mil. dol.	322	460	730	816	878	1,016	1,164	1,228
Revenue to States.....	Mil. dol.	22	33	53	59	63	72	84	89

X Not applicable. <sup>1</sup> Excludes Alaska and Hawaii. <sup>2</sup> Source: The National League of Professional Baseball Clubs, San Francisco, Calif. <sup>3</sup> Source: The American League of Professional Baseball Clubs, Boston, Mass.; *American League Red Book*. <sup>4</sup> Season ending in year shown. <sup>5</sup> Including American Football League. Beginning 1970, American Football League merged with National Football League. <sup>6</sup> Source: The Ring, Inc., New York, N.Y.; *The Ring Magazine* (copyright). <sup>7</sup> Boxers listed for one or more bouts. <sup>8</sup> Excludes Alaska. <sup>9</sup> Excludes closed circuit TV receipts. <sup>10</sup> Includes thoroughbred, harness, quarter horse, and fairs.

Source: Compiled from sources listed in stub of table and footnotes.

## No. 362. FISHING AND HUNTING LICENSES—NUMBER AND COST: 1950 TO 1974

[For years ending June 30. Prior to 1960, fishing and hunting licenses exclude Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series H 875-876]

ITEM	1950	1955	1960	1965	1970	1971	1972	1973	1974
Fishing Licenses: Sales <sup>1</sup> millions.	15.3	18.9	23.3	25.0	31.1	32.4	33.0	33.5	34.3
Resident.....millions.	18.8	16.2	20.2	21.6	26.8	27.8	28.2	28.5	29.5
Nonresident.....millions.	2.0	2.6	3.1	3.4	4.3	4.6	4.8	5.0	4.8
Cost to anglers.....mil. dol.	34	40	52	63	91	100	107	118	128
Hunting Licenses: Sales <sup>1</sup> millions.	12.6	14.2	18.4	19.4	22.2	22.9	22.2	23.3	25.1
Resident.....millions.	12.4	13.9	17.8	18.5	21.0	21.6	21.0	22.1	23.8
Nonresident.....millions.	.2	.3	.6	.9	1.2	1.3	1.2	1.2	1.3
Cost to hunters.....mil. dol.	38	43	61	75	102	109	107	123	143
Federal duck stamp solds <sup>2</sup> .....	1,955	2,185	1,629	1,566	2,072	2,420	2,442	2,180	2,046

<sup>1</sup> Prior to 1960, paid license holders; for definition, see footnote 1, table 363.

## No. 363. FISHING AND HUNTING LICENSES—NUMBER AND COST, BY STATES: 1974

[For year ending June 30. Excludes Migratory Waterfowl Stamps (Duck Stamps)]

STATE	PAID LICENSE HOLDERS <sup>1</sup> (1,000)		COST OF LICENSES <sup>2</sup> (\$1,000)		STATE	PAID LICENSE HOLDERS <sup>1</sup> (1,000)		COST OF LICENSES <sup>2</sup> (\$1,000)	
	Fish- ing	Hunt- ing	Fish- ing	Hunt- ing		Fish- ing	Hunt- ing	Fish- ing	Hunt- ing
	United States...	27,080	16,397	127,794	142,912	Missouri.....	903	483	4,755
Alabama.....	580	332	1,852	1,883	Montana.....	281	227	2,644	8,430
Alaska.....	128	68	1,060	1,298	Nebraska.....	237	200	1,149	1,999
Arizona.....	303	168	2,008	2,382	Nevada.....	166	69	858	1,074
Arkansas.....	722	347	2,899	1,890	New Hampshire.....	127	77	880	919
California.....	2,315	678	14,390	5,566	New Jersey.....	192	184	1,486	1,627
Colorado.....	647	324	3,959	8,388	New Mexico.....	196	150	1,184	1,956
Connecticut.....	184	84	681	299	New York.....	882	740	4,906	6,832
Delaware.....	18	20	67	192	North Carolina.....	600	436	2,334	2,736
Florida.....	883	271	2,622	1,827	North Dakota.....	154	102	433	1,059
Georgia.....	656	357	2,143	2,029	Ohio.....	905	602	3,671	8,007
Hawaii.....	8	11	27	87	Oklahoma.....	636	267	2,168	1,549
Idaho.....	417	251	2,288	2,476	Oregon.....	674	369	3,787	3,899
Illinois.....	782	494	1,833	1,745	Pennsylvania.....	948	1,186	4,724	13,080
Indiana.....	696	473	2,403	1,869	Rhode Island.....	30	16	89	66
Iowa.....	478	342	1,017	2,691	South Carolina.....	379	203	1,753	1,526
Kansas.....	353	234	1,101	1,044	South Dakota.....	186	191	636	2,134
Kentucky.....	557	296	2,572	1,438	Tennessee.....	869	519	3,605	3,672
Louisiana.....	427	363	937	1,100	Texas.....	1,097	842	6,483	4,831
Maine.....	261	206	1,607	2,409	Utah.....	426	242	1,294	3,830
Maryland.....	140	190	621	1,744	Vermont.....	159	159	498	1,557
Massachusetts.....	214	114	1,883	937	Virginia.....	651	479	1,803	2,829
Michigan.....	1,120	877	6,176	8,775	Washington.....	610	330	3,897	2,684
Minnesota.....	1,346	426	5,416	4,821	West Virginia.....	247	276	1,291	2,061
Mississippi.....	436	822	1,567	1,963	Wisconsin.....	1,368	650	7,644	6,470
					Wyoming.....	223	151	1,403	5,607

<sup>1</sup> Resident and nonresident. U.S. total includes multiple counting of license holders who bought nonresident licenses as well as a home State license.   <sup>2</sup> Total cost to holders for all licenses, permits, tags, stamps, etc.

Source of tables 362 and 363: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual, and unpublished data.

## No. 364. SPORT FISHERMEN AND HUNTERS: 1960, 1965, AND 1970

[In thousands. 1960, persons 12 yr. old and over who fished and hunted; 1965, persons 12 yr. old and over who spent \$5 or more and reported 3 or more fishing and hunting days in the year; 1970, persons 12 yr. old and over who spent \$7.50 or more and reported 3 or more fishing and hunting days in the year. Based on samples of approximately 18,000 households]

ITEM	Fisher- men and hunters, 1960	Fisher- men and hunters, 1965	1970						
			Per- sons, 12 and over	Persons who—				Recreation days	
				Fished and/or hunted	Fished and hunted	Fished	Hunted	Fishing	Hunting
Total.....	30,435	32,881	155,230	36,277	11,217	33,158	14,336	706,187	203,689
Male.....	23,171	25,216	73,601	26,928	10,812	24,073	13,467	555,465	195,336
Female.....	7,264	7,665	81,620	9,349	608	0,085	869	150,722	8,303
Big cities.....	2,365	2,045	24,222	3,212	670	2,984	898	48,512	7,841
Small cities and suburbs.....	6,376	11,808	57,043	12,142	2,999	11,438	3,708	245,413	41,976
Towns and rural areas.....	21,093	18,070	73,365	20,928	7,549	18,741	9,731	412,262	153,872

Source: U.S. Fish and Wildlife Service, *National Survey of Fishing and Hunting, 1960, 1965, and 1970*.

## No. 365. PERFORMING ARTS—SELECTED DATA: 1955 TO 1975

(For season ending in year shown, except as indicated)

ITEM	1955	1960	1965	1969	1970	1971	1972	1973	1974	1975
<b>Legitimate theater:</b>										
Broadway shows:										
New productions	58	58	67	67	62	46	56	58	50	59
Playing weeks <sup>2</sup>	1,120	1,156	1,250	1,209	1,047	1,150	1,157	955	907	1,101
Gross box office receipts	\$1,000	30,619	45,606	50,483	57,743	53,324	54,941	52,321	44,800	46,251
Itinerant shows:										
Playing weeks <sup>3</sup>	879	728	643	920	1,024	898	900	1,064	899	790
Gross box office receipts	\$1,000	21,122	27,248	25,920	42,601	48,024	49,825	49,701	55,533	45,726
<b>Opera companies:</b>										
Performances	543	754	732	623	618	688	715	817	902	807
Operas performed	210	217	4,232	4,176	4,629	4,779	5,246	5,723	5,903	6,428
<b>Symphony orchestras:</b>										
College	1,029	1,226	1,385	1,441	1,441	1,480	1,463	1,463	1,463	1,463
Community	240	250	290	298	298	300	300	300	300	300
Urban	761	933	1,032	1,021	1,021	1,023	1,023	1,017	1,003	1,003
Metropolitan	(*)	(*)	(*)	31	24	22	31	35	43	41
Major	28	18	38	68	72	76	81	82	83	90
Musicians	2,070	(NA)	2,216	\$2,512	2,513	2,539	2,521	\$2,454	2,614	\$2,635
Concerts played	2,257	(NA)	2,987	\$3,976	4,349	4,508	4,487	\$4,581	4,723	\$4,000
Attendance	1,000	4,903	(NA)	6,750	\$8,176	9,020	10,587	10,702	\$10,834	11,769
Ensemble performances	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	890	\$812	1,208
Attendance	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	574	\$8520	544	\$850
Gross expenditures	\$1,000	13,838	(NA)	27,700	\$51,746	58,753	66,209	70,749	\$75,624	85,572

<sup>1</sup> NA Not available.<sup>1</sup> Source: *Variety*, New York, N.Y., June 4, 1975 issue (copyright). <sup>2</sup> Includes all shows (new productions and holdovers from previous seasons).<sup>3</sup> Eight performances are normally given in a playing week.  
Comprises college, other amateur, and professional companies. Source: 1955-1965, William J. Baumol and William G. Bowen, *Performing Arts—The Economic Dilemma* (copyright, 1968, by the Twentieth Century Fund, Inc., New York, N.Y.); 1969 and 1970, *Mathematica, Inc.*, Princeton, N.J. Beginning 1971, data from Central Opera Service, New York, N.Y., *Directory of American Opera Producing Organizations*.<sup>4</sup> Source: American Symphony Orchestra League, Inc., Vienna, Va. For years ending Aug. 31. Orchestras other than college are principally defined by their annual budgets. Community, \$103,000 prior to 1967, \$50,000 thereafter; urban, \$50,000-\$99,999; metropolitan, \$160,000-\$500,000. Metropolitan includes a few orchestras operating on budgets over \$500,000. <sup>5</sup> Classification began in 1967. <sup>6</sup> Classification began in 1958. <sup>7</sup> 27 orchestras reporting.<sup>8</sup> 19 orchestras reporting.

Source: Compiled from sources listed in footnotes.

## No. 366. MUSEUMS—SELECTED DATA, BY MAJOR MUSEUM INTEREST AND GOVERNING AUTHORITY: 1972

(For year ending June 30. Based on representative sample of 728 museums. See source for methodology)

ITEM	Total	MAJOR INTEREST					GOVERNING AUTHORITY		
		Art	History	Science	Art and history	Other combined <sup>1</sup>	Private non-profit	Government	Educational institution
Museums	1,821	340	683	284	186	328	1,018	623	280
Percent by annual budget size:									
Under \$50,000	44	33	62	18	55	43	47	45	43
\$50,000-\$99,999	19	22	17	20	15	20	19	18	17
\$100,000-\$499,999	27	29	13	42	23	30	24	29	34
\$500,000-\$999,999	5	8	1	19	5	2	5	4	4
\$1,000,000 and over	5	8	1	10	2	5	5	4	2
Museum visits	308	43	75	117	18	56	127	171	10
Full-time paid personnel	1,000	30	8	5	0	3	5	18	10
Part-time paid personnel	1,000	19	4	4	5	2	4	12	5
Volunteers	1,000	64	24	18	10	4	0	48	13
Total income	mil. dol.	513	158	69	153	53	80	383	152
Percent by source of income:									
Operating revenues		29	24	30	30	61	18	37	15
Private support		21	32	14	18	18	14	26	5
Non-operating revenues		13	23	8	8	10	0	18	15
Municipal and county government		18	13	10	24	3	30	12	31
State government		7	2	24	3	4	4	15	8
Federal government		12	6	14	17	4	17	3	32

<sup>1</sup> Composed of art and science museums, history and science museums, and art, history, and science museums.Source: U.S. National Endowment for the Arts, *Museums USA*, 1974.

## No. 367. VOLUME AND CHARACTERISTICS OF TRAVEL: 1972

[Person-trips in millions; person-miles in billions. A trip is counted each time a person goes at least 100 miles away from home and returns, regardless of whether any nights are spent away from home. Based on a nationwide probability sample of households concerning trips during 1972. Subject to sampling variability.]

CHARACTERISTIC	PERSON-TRIPS <sup>1</sup>		PERSON-MILES <sup>2</sup>		CHARACTERISTIC	PERSON-TRIPS <sup>1</sup>		PERSON-MILES <sup>2</sup>	
	Number	Percent	Number	Percent		Number	Percent	Number	Percent
Total.....	458	100.0	3,362	100.0	Round-trip distance:				
Means of transport:					200-399 miles.....	180	41.2	56	15.1
Auto/truck.....	391	85.2	252	69.4	400-599 miles.....	92	20.0	45	12.1
Bus.....	8	1.8	5	1.5	600-799 miles.....	45	9.9	31	8.5
Train.....	2	0.4	2	0.5	800-999 miles.....	25	5.5	23	6.1
Air.....	54	11.8	100	27.6	1,000-1,999 miles.....	48	10.4	67	18.1
Other.....	4	0.8	4	1.0	2,000 miles and over.....	41	8.9	148	40.0
Purpose of trip:					Outside United States.....	18	4.0	(X)	(X)
Visiting.....	176	38.4	143	38.7	Duration of trip:				
Business.....	93	20.2	81	22.0	No nights out of town.....	83	18.0	32	8.6
Outdoor recreation.....	57	12.4	33	9.0	1-2 nights.....	105	42.5	107	28.9
Sightseeing and entertainment.....	61	13.3	57	15.3	3-5 nights.....	101	22.0	89	24.2
Other.....	72	15.7	55	14.9	6-15 nights.....	64	14.1	106	28.6
Family income:					16 nights or more.....	16	3.4	36	9.7
Less than \$5,000.....	38	8.3	30	8.0	Number on trip:				
\$5,000-\$7,499.....	58	12.6	43	11.6	1 person.....	120	26.2	108	29.3
\$7,500-\$9,999.....	74	16.2	56	15.2	2 persons.....	131	28.5	111	30.0
\$10,000-\$14,999.....	149	32.5	114	30.8	3-5 persons.....	175	38.1	127	34.8
\$15,000 and over.....	120	26.2	111	30.1	6 persons or more.....	33	7.2	23	6.3
Not reported.....	19	4.2	16	4.2					

X Not applicable. <sup>1</sup> A person-trip is counted each time a person takes a trip. <sup>2</sup> Person-miles: Double the 1-way straight-line miles of travelers adjusted for circuitry based on type of transport. <sup>3</sup> There is a net general overstatement of 2 percent in person-miles for all characteristics of travel other than means of transport.

Source: U.S. Bureau of the Census, 1972 Census of Transportation, *National Travel Survey, Travel During 1972* (TC 72-N3), and unpublished data.

## No. 368. ARRANGEMENT OF PASSENGER TRANSPORTATION: 1972

[Data are shown only for establishments with payroll]

ITEM	Establishments (number)	Receipts (mil. dol.)	Pay-roll, entire year (mil. dol.)	Paid employees for week including March 12 (number)	ITEM	Establishments (number)	Receipts (mil. dol.)	Pay-roll, entire year (mil. dol.)	Paid employees for week including March 12 (number)
United States, total.....	8,327	684.3	297.1	42,372	By employment size of establishment: <sup>1,2</sup>				
By kind of business:					2 employees or less.....	2,700	80.9	26.9	3,656
Travel agencies.....	7,044	515.6	228.4	33,536	3 to 5 employees.....	2,793	154.8	66.2	10,571
Tour operators.....	629	127.2	51.9	6,098	6 to 9 employees.....	1,231	128.5	58.4	8,715
Other services in arranging passenger transportation.....	654	41.5	16.7	2,738	10 to 19 employees.....	629	116.0	55.2	8,045
By receipts size of establishment with annual receipts of:					20 to 49 employees.....	199	98.8	45.1	5,817
Less than \$20,000.....	1,330	15.8	7.8	1,814	50 employees or more.....	43	71.2	32.1	4,299
\$20,000 to \$49,000.....	2,675	90.0	39.3		Selected States:				
\$50,000 to \$99,000.....	2,129	148.3	64.6	7,341	New York.....	1,562	171.4	77.4	9,702
\$100,000 to \$499,000.....	1,425	252.8	114.0	10,033	California.....	1,287	97.8	39.5	5,922
\$500,000 to \$999,000.....	93	63.4	26.9	3,100	Illinois.....	538	52.7	21.5	3,048
\$1,000,000 or more.....	42	80.7	31.4	3,763	Florida.....	486	33.4	15.1	2,277
					Massachusetts.....	329	32.1	13.8	1,925
					Pennsylvania.....	350	29.6	13.3	1,882

<sup>1</sup> Establishments operating entire year.

<sup>2</sup> Employment-size classes are based on number of paid employees for week including March 12.

Source: U.S. Bureau of the Census, 1972 Census of Selected Service Industries, *Arrangement of Passenger Transportation*, SC 72-S-6.

## No. 369. FOREIGN TRAVEL—TRAVELERS AND EXPENDITURES: 1955 TO 1975

[Travelers in thousands; expenditures in millions of dollars, except as indicated. Covers residents of United States and Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940]

ITEM AND COUNTRY	1955	1960	1965	1970	1971	1972	1973	1974	1975 <sup>1</sup>
Total overseas travelers <sup>2</sup>	1,075	1,634	2,628	5,260	5,687	6,790	6,933	6,407	6,854
Means of transport from United States:									
Sea	318	317	237	120	95	73	57	47	36
Air	757	1,317	2,386	5,140	5,572	6,717	6,876	6,420	6,818
Region of destination:									
Europe and Mediterranean	482	832	1,405	2,888	3,202	3,843	3,015	3,825	3,185
Average length of stay <sup>3</sup> days	56	(NA)	39	27	26	27	24	24	24
Caribbean and Central America	522	641	891	1,663	1,736	1,992	2,032	2,147	2,065
South America	84	71	127	249	254	338	383	423	447
Other	37	90	200	450	475	617	603	572	657
Total expenditures <sup>4</sup>	1,612	2,623	3,768	6,180	6,728	7,802	8,472	9,235	9,729
Transportation: <sup>4</sup>									
Foreign flag carriers <sup>5</sup>	201	513	720	1,215	1,290	1,596	1,790	2,012	2,109
United States flag carriers <sup>5</sup>	258	360	610	985	1,065	1,264	1,156	1,250	1,275
Expenditures abroad:									
Canada	1,153	1,750	2,438	3,980	4,378	5,042	5,526	5,973	6,345
Mexico	306	380	600	1,018	1,079	1,037	1,158	1,352	1,320
Total overseas areas	255	383	549	772	959	1,185	1,284	1,475	1,555
Europe and Mediterranean	592	987	1,298	2,184	2,335	2,870	3,104	3,148	3,470
Average expend. per trip <sup>6</sup> dollars	430	692	864	1,425	1,540	1,853	1,993	1,802	1,918
Average expend. per day <sup>6</sup> dollars	889	830	611	480	481	492	509	542	602
Caribbean and Central America	15.88	(NA)	15.67	18.15	18.50	17.85	21.21	22.68	25.19
South America	107	166	220	390	406	504	570	685	787
Japan	22	45	68	90	92	113	132	209	242
Other	16	36	60	97	88	121	123	102	131
	17	48	86	182	207	279	286	348	396

NA Not available. <sup>1</sup> Preliminary. <sup>2</sup> Excludes the following: Travel to Canada and Mexico; travel between conterminous United States and Alaska, Hawaii, Puerto Rico, and Virgin Islands; cruise travelers; military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad, and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad.

<sup>3</sup> Excludes passenger fares of emigrant aliens.

<sup>4</sup> Beginning 1960, new series; not comparable with earlier years.

<sup>5</sup> Excludes transatlantic passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

## No. 370. PASSPORTS, BY CHARACTERISTICS OF TRAVEL AND TRAVELERS: 1950 TO 1975

[In thousands. Total passports are actual count; all other data based on a sample and prorated to total passports. Data are subject to error because sample has not changed since 1955, but volume of passports has increased over 400 percent. Data refer to number of passports issued, not travelers (except as noted). Prior to 1970, covers new and renewed passports; thereafter, renewals eliminated. A single passport may cover more than one trip and more than one person. See also *Historical Statistics, Colonial Times to 1970*, series H 899-920]

ITEM	1950	1960	1965	1970	1971	1972	1973	1974	1975
Total passports	300	853	1,330	2,219	2,399	2,728	2,729	2,415	2,334
Object of travel: <sup>1</sup>									
Government	300	116	101	146	99	137	146	206	210
Nongovernment		737	1,183	2,073	2,800	2,591	2,583	2,209	2,124
Personal reasons <sup>2</sup>	142	322	487	1,791	2,157	2,043	1,246	335	376
Pleasure <sup>3</sup>	108	351	535	217	109	441	1,077	1,382	1,816
Business <sup>4</sup>	27	24	76	40	16	68	155	268	273
Education	14	31	31	20	16	33	35	183	132
Religion	5	7	7	3	1	4	8	17	22
Health	1	1	1	1	1	1	1	2	2
Other	3	1	2	1	1	1	1	2	2
First area destination: <sup>5</sup>									
Africa	5	8	19	19	15	30	26	32	33
Australia and Oceania	2	35	51	51	48	79	81	101	96
Europe	244	670	993	1,910	2,140	2,244	2,181	1,715	1,611
Far East	6	56	111	117	73	135	140	162	155
North, Central, and So. America	33	59	100	72	69	126	189	287	318
Middle East	10	25	56	49	54	104	111	117	121
Sex of passport recipient:									
Male	156	420	699	1,124	1,267	1,359	1,321	1,155	1,128
Female	144	433	631	1,085	1,132	1,369	1,408	1,280	1,206
Citizenship of passport recipient:									
Native	175	710	1,237	2,072	2,271	2,554	2,511	2,155	2,040
Naturalized	125	143	93	147	128	174	218	260	295

<sup>1</sup> Represents zero. <sup>2</sup> Data not entirely comparable because of changes in classifications.

<sup>2</sup> Includes "Personal business," "Join husband," "Accompany husband," and "Visit family"; through 1965, also includes "Business and pleasure." <sup>3</sup> Includes "Sightseeing," "Vacation," "Visit," and "Tourist."

<sup>4</sup> Includes applicants formerly listed under "Employment" and "Commercial business"; beginning 1970, includes "Business and pleasure." <sup>5</sup> Excludes small number not stated and world travel.

Source: U.S. Passport Office, *Summary of Passport Statistics*, annual.

## No. 371. FOREIGN TRAVEL TO THE UNITED STATES—TRAVELERS AND EXPENDITURES: 1960 TO 1975

[Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. See also *Historical Statistics, Colonial Times to 1970*, series H 946-951]

AREA OF ORIGIN	TRAVELERS (1,000)						EXPENDITURES (mil. dol.)					
	1960	1965	1970	1973	1974	1975	1960	1965	1970	1973	1974	1975
Total.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,025	1,545	2,708	4,180	4,845	5,668
Fares to U.S. carriers <sup>1</sup> .....	(X)	(X)	(X)	(X)	(X)	(X)	106	165	377	718	813	792
Canada.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	469	490	859	1,072	1,225	1,561
Mexico.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	226	300	583	830	1,142	1,490
Overseas areas.....	602	1,204	2,288	3,554	3,700	3,874	224	500	889	1,510	1,665	1,825
Europe.....	274	584	984	1,623	1,544	1,500	90	200	318	559	570	611
Caribbean and Central America.....	(NA)	(NA)	484	497	508	478	(NA)	(NA)	170	205	216	206
South America.....	(NA)	(NA)	318	358	401	438	(NA)	(NA)	164	198	237	303
Japan.....	20	44	207	389	764	747	12	27	101	334	402	410
Other.....	308	596	295	437	483	511	122	278	136	214	240	295

NA. Not available. X. Not applicable.

<sup>1</sup> Includes fares paid to and from the United States only.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

## No. 372. PASSENGERS ARRIVING AND DEPARTING, BY CITIZENSHIP, AREA, FLAG OF CARRIER, AND MODE OF TRAVEL: 1965 TO 1975

[In thousands. For years ending June 30. Compiled from passenger manifests or lists. Excludes travelers between United States and its outlying areas, border crossers, crewmen, and military personnel. See also *Historical Statistics, Colonial Times to 1970*, series C 298-331]

AREA, FLAG, ETC.	1965	1970	1973	1974	1975	AREA, FLAG, ETC.	1965	1970	1973	1974	1975
Passengers arriving.....	5,059	10,039	14,800	14,927	14,240	Passengers arriving—Con.					
Aliens.....	1,960	3,831	5,491	5,889	6,094	Mode of travel:					
Citizens.....	3,100	6,208	9,303	9,038	8,146	By sea.....	840	867	1,061	998	928
Area of embarkation:						By air.....	4,220	9,172	13,739	13,929	13,317
Europe <sup>1</sup> .....	2,212	4,087	6,105	5,841	5,251	Passengers departing.....	4,820	9,354	13,225	13,696	13,093
Asia <sup>1,2</sup> .....	351	893	1,602	1,726	1,765	Aliens.....	1,735	3,247	4,594	5,050	5,130
Africa.....	15	30	44	49	56	Citizens.....	3,085	6,107	8,631	8,687	7,969
Oceania.....	96	225	399	398	402	Area of debarkation:					
Canada and Greenland.....	54	79	376	370	393	Europe <sup>1</sup> .....	2,111	3,907	5,753	5,400	4,827
Mexico.....	441	880	1,457	1,651	1,613	Asia <sup>1,2</sup> .....	857	808	1,423	1,559	1,592
West Indies.....	1,118	2,481	2,840	2,866	2,718	Africa.....	19	33	45	49	58
Central America.....	148	264	357	397	411	Oceania.....	105	221	353	393	389
South America.....	277	531	672	784	847	Canada and Greenland.....	32	55	127	196	248
Cruise.....	347	559	858	843	784	Mexico.....	427	846	1,327	1,508	1,522
Arrivals at selected ports:						West Indies.....	1,030	2,157	2,434	2,606	2,463
Boston.....	89	302	625	531	528	Central America.....	145	243	328	373	383
Chicago.....	162	203	655	716	672	South America.....	252	490	646	765	829
Honolulu.....	197	506	1,083	1,232	1,324	Cruise.....	343	594	789	849	782
Houston.....	46	85	217	265	284	Flag of carrier:					
Los Angeles.....	3,238	516	819	879	918	United States.....	2,089	4,812	6,509	6,865	6,226
Miami.....	772	1,515	1,981	2,019	1,968	Foreign.....	2,731	4,742	6,626	6,831	6,874
New York.....	2,431	4,182	5,377	5,189	4,735	Mode of travel:					
Philadelphia.....	19	102	275	272	219	By sea.....	813	859	910	954	864
San Francisco.....	115	192	340	311	340	By air.....	4,007	8,495	12,315	12,742	12,236
Flag of carrier:											
United States.....	2,246	5,106	7,556	7,671	6,972						
Foreign.....	2,813	4,033	7,244	7,250	7,268						

<sup>1</sup> Turkey included with Europe through 1970, with Asia thereafter. <sup>2</sup> Includes Philippines.

<sup>3</sup> Includes San Pedro, California.

Source: U.S. Immigration and Naturalization Service, *Annual Report*, and releases.